



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 104316

TO: Elizabeth Kemmerer
Location: CM1/10B17&10D19
Art Unit: 1646
Thursday, September 25, 2003

Case Serial Number: 09/991150

From: Toby Port
Location: Biotech-Chem Library
CM1-6A04
Phone: 308-3534

toby.port@uspto.gov

Search Notes

Dear Examiner Kemmerer,

Here are the results of your search.

Please feel free to contact me if you have any questions.

Toby Port

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STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher* or contact:

Mary Hale, Information Branch Supervisor
308-4258, CM1-1E01

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability):
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CM1 – Circ. Desk



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STIC-Biotech/ChemLib

104316

From: Kemmerer, Elizabeth
Sent: Tuesday, September 23, 2003 12:34 PM
To: STIC-Biotech/ChemLib
Subject: RE: seq search req

09/941992.

Elizabeth (Betsy) Kemmerer
Art Unit 1646
308-2673
CM1-10B17
Mailbox: 10D19

-----Original Message-----

From: STIC-Biotech/ChemLib
Sent: Tuesday, September 23, 2003 12:31 PM
T : Kemmerer, Elizabeth
Subject: RE: seq search req

There is no valid CRF for this Serial Number. Please provide us with another Serial Number from the Parent Application.
Gary

-----Original Message-----

From: Kemmerer, Elizabeth
Sent: Tuesday, September 23, 2003 12:00 PM
To: STIC-Biotech/ChemLib
Subject: seq search req

Please search SEQ ID NO: 19 for 09/991150, full length and a word search of 10 bases please.

Thanks,

Elizabeth (Betsy) Kemmerer
Art Unit 1646
308-2673
CM1-10B17
Mailbox: 10D19

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 12:10:00 ; Search time 7870 Seconds
(without alignments)
11134.488 Million cell updates/sec

Title: US-09-991-150-19

Perfect score: 2142
Sequence: 1 cdgacgtggcgagcg.....tttcataaagctggaagc 2142

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2888711 seqs, 2045481386 residues

Total number of hits satisfying chosen parameters: 5777422

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : GenEmbl.*

- 1: gb_ba.*
- 2: gb_htg.*
- 3: gb_in.*
- 4: gb_om.*
- 5: gb_ov.*
- 6: gb_pat.*
- 7: gb_ph.*
- 8: gb_pl.*
- 9: gb_pr.*
- 10: gb_ro.*
- 11: gb_sts.*
- 12: gb_sy.*
- 13: gb_un.*
- 14: gb_vi.*
- 15: em_ba.*
- 16: em_fun.*
- 17: em_hum.*
- 18: em_in.*
- 19: em_mu.*
- 20: em_om.*
- 21: em_or.*
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- 23: em_pat.*
- 24: em_ph.*
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- 26: em_ro.*
- 27: em_sts.*
- 28: em_un.*
- 29: em_vi.*
- 30: em_htg_hum.*
- 31: em_htg_inv.*
- 32: em_htg_other.*
- 33: em_htg_mus.*
- 34: em_htg_pln.*
- 35: em_htg_rod.*
- 36: em_htg_mam.*
- 37: em_htg_vrt.*
- 38: em_sy.*
- 39: em_htgo_hum.*
- 40: em_htgo_mus.*
- 41: em_htgo_other.*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	2142	100.0	2142	6	AR252382	AR252382 Sequence
2	2142	100.0	2142	6	AX403132	AX403132 Sequence
3	2090.8	97.6	2170	9	BC011587	BC011587 Homo sapi
4	2084.2	97.3	2122	6	BD127558	BD127558 Primer fo
5	2084.2	97.3	2122	9	AK075183	AK075183 Homo sapi
6	2041.8	95.3	2161	9	AK093223	AK093223 Homo sapi
7	1975.6	92.2	1993	6	BD157842	BD157842 Primer fo
8	1975.6	92.2	1993	9	AK074186	AK074186 Homo sapi
9	1686.8	78.7	1934	9	HS080502	AL834184 Homo sapi
10	1528.8	71.4	1588	6	BD063239	BD063239 Secreted
11	1480.8	69.1	1530	9	BC006353	BC006353 Homo sapi
12	1340.2	62.6	2148	10	BC046793	BC046793 Mus muscu
13	725.8	33.9	804	6	BD147430	BD147430 Primer fo
14	693.4	32.4	780	6	BD125260	BD125260 Primer fo
15	692.4	32.3	865	6	BD126410	BD126410 Primer fo
16	571	26.7	571	6	AR252383	AR252383 Sequence
17	571	26.7	571	6	AX403134	AX403134 Sequence
18	516.8	24.1	544	6	BD152652	BD152652 Primer fo
19	477.6	22.3	601	6	BD126011	BD126011 Primer fo
20	452	21.1	200484	2	AC025002	AC025002 Homo sapi
21	441	20.6	115043	9	AL663070	AL663070 Human DNA
22	388.6	18.1	687	6	AX401368	AX401368 Sequence
23	344.4	16.1	347	6	AX333939	AX333939 Sequence
24	344.4	16.1	347	6	AX411261	AX411261 Sequence
25	280	13.1	1660	6	AX478097	AX478097 Sequence
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27	219	10.2	1768	6	BD157683	BD157683 Primer fo
28	219	10.2	1768	9	AK027396	AK027396 Homo sapi
29	208	9.7	212026	2	AC106432	AC106432 Rattus no
30	208	9.7	242346	2	AC103185	AC103185 Rattus no
31	201.4	9.4	198772	10	AL606906	AL606906 Mouse DNA
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33	151	7.0	236	11	HSPE80F6	AL010130 H. sapiens
34	128.4	6.0	79785	2	AC025068	AC025068 Homo sapi
35	126.4	5.9	236013	2	AC106499	AC106499 Rattus no
36	122.2	5.7	171384	2	AC136212	AC136212 Gallus ga
37	118.4	5.5	1250	9	BC033385	BC033385 Homo sapi
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39	86.8	4.1	112104	2	AC140155	AC140155 Takifugu
40	86	4.0	9417	6	AX647519	AX647519 Sequence
41	86	4.0	42949	9	AC104665	AC104665 Homo sapi
42	83.6	3.9	214914	2	BX510990	BX510990 Danilo rer
43	83.2	3.9	57955	2	AC125502	AC125502 Takifugu
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ALIGNMENTS

RESULT 1						
AR252382	AR252382	2142 bp	DNA	linear	PAT 20-DEC-2002	
LOCUS	Sequence 19 from patent US 6478825.					
DEFINITION	AR252382					
ACCESSION	AR252382.1	GI:27300290				
VERSION	Unknown.					
KEYWORDS	Unclassified.					
SOURCE	1 (bases 1 to 2142)					
ORGANISM	Winterbottom,J.M., Shimp,L., Boyce,T.M. and Kaes,D.					
REFERENCE	Implant, method of making same and use of the implant for the					
AUTHORS	treatment of bone defects					
TITLE	Patent: US 6478825-A 19 12-NOV-2002;					
JOURNAL						

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Query Match 100.0%; Score 2142; DB 6; Length 2142;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	CGGACGCTGGCGGACCGCTGGCGGAGCGGTGGCGCGCGCTGGCTGGCGCGCGG 60	
QY	61	CGGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGCGCTGGGCGAGAGGA 120	
Db	61	CGGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGCGCTGGGCGAGAGGA 120	
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QY	181	GCCGAGAGCGGCTCCGCGCGGCGGTGCTACCCAGCAGCATCTCCAAAGCAGCTGAAGCG 240	
Db	181	GCCGAGAGCGGCTCCGCGCGGCGGTGCTACCCAGCAGCATCTCCAAAGCAGCTGAAGCG 240	
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QY	541	GTCAATGCTACTTCTCTCATCTGGTTCGTGCCGAGCTTCCACAGCGCCAGACCTATTGG 600	
Db	541	GTCAATGCTACTTCTCTCATCTGGTTCGTGCCGAGCTTCCACAGCGCCAGACCTATTGG 600	
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DB 2101 GTGAGCTATTAACTTATTATTTTTCATAAAGCTGGAAGC 2142
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RESULT 2
AX403132
LOCUS AX403132 2142 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 19 from Patent WO0073454.
ACCESSION AX403132
VERSION AX403132.1 GI:21436736
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
AUTHORS Ashkenazi,A.J., Baker,K.P., Botstein,D., Desnoyers,L., Eaton,D.,
Ferrara,N., Gerber,H., Gerritsen,M., Goddard,A., Godowski,P.,
Grimaldi,C.J., Gurney,A.L., Kljavin,I., Napier,M.A., Pan,J.,
Paoni,N.F., Roy,M., Stewart,T.A., Tumas,D., Watanabe,C.K.,
Williams,P., Wood,W.I. and Zhang,Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0073454-A 19 07-DEC-2000;
Genentech Inc. (US)
FEATURES
source Location/Qualifiers
1. 2142
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 438 a 623 c 578 g 503 t
ORIGIN
Query Match 100.0%; Score 2142; DB 6; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACGGTGGCGGACGGTGGCGGACGGTGGCGGCGCGGCTTGGCTAGCGCGCGGCGG 60
|||||
DB 1 CGGACGGTGGCGGACGGTGGCGGACGGTGGCGGCGCGGCTTGGCTAGCGCGCGGCGG 60
|||||
QY 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCTTGGCGGCGAGGA 120
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DB 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCTTGGCGGCGAGGA 120
|||||
QY 121 GCATCCGCTGTACCAAGTCCCAAGCGGCGGCGGCGGCTGTATGGCCAAAGGAGAAGC 180
|||||
DB 121 GCATCCGCTGTACCAAGTCCCAAGCGGCGGCGGCGGCTGTATGGCCAAAGGAGAAGC 180
|||||
QY 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCACCAGCATCCCTCCAAAGCACTGAACGC 240
|||||
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|||||
DB 241 CCGGCCAGGTGAAGAAGAACCCAAAAGAGAAACAAAGTGTCTGTGTTGCAACAAG 300
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DB 301 CTTTGTCTATGCATTTGGGGAGCCCTTACCAGGTGACGGGCTGTGCGCTGGGTTCTTC 360
|||||
QY 361 CTTCAGATCACCATTATTTGGATGTGGCTCAGGTGGGCGCTTCTCTGCCTCCATCATCTG 420
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DB 361 CTTCAGATCACCATTATTTGGATGTGGCTCAGGTGGGCGCTTCTCTGCCTCCATCATCTG 420
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DB 421 TTTGTGGCGGAGCGCTGGGATGCCATCACAGACCCCTGGTGGCGCTCTGCATCAGCAAA 480
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QY 841 CAACCATACATGGCACCACTTCCACAGGGAACGCAAAAGGCATACCTGCTGGCAGC 900
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DB 841 CAACCATACATGGCACCACTTCCACAGGGAACGCAAAAGGCATACCTGCTGGCAGC 900
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QY 901 GGGGTCATTGTGTATCTATATAATATGCTGTGTATGCTGTATGCTGTGCGGCGTACG 960
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QY 961 GCAGAGAACCCCTATGAAGCCAGCAGCTCGAGGCAATCGCCTACCTTCCGGGCGCTACG 1020
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DB 1141 CAATGAATTCAGAACTCTACTCTGCGGCATCATCTCTCGGCACTTTTAAACCATTCCTAT 1200
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QY 1201 CTGGCAGTGGTTCCTTGACCCCGTTTGGCAAGACAGCTGTATATGTTGGGATCTCATC 1260
|||||
DB 1201 CTGGCAGTGGTTCCTTGACCCGTTTGGCAAGACAGCTGTATATGTTGGGATCTCATC 1260
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DB 1261 AGCAGTGCATTTCTCATCTGTTGGGCGCTCATGGAGAGTAACTCATCATATATGC 1320
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DB 1321 GGTAGCTGTGCGACCTGGCATCAGTGTGGGAGCTGCCTTCTTACTACCTGGTCCATGCT 1380
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QY 1381 GCCTGATGTCTTACGACTTCCATCTGAAGCAGCCGCACTTCCATGGAACCGAGCCCAT 1440
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DB 198 AGCATCTCTCAAGCACTGAAGCGCGCGCCAGGTGAAGAAAGAACCCGAAAGAGAAA 257
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DB 318 ACGGGCTGCGCCCTGGGTTTCTTCCTTCAGATCTACCTATTGATGTGCTCAGAAGAT 377
QY 390 -----GGTGGGCGCTTCTCTGCTCCCATCATC 417
DB 378 GAGGAAGTTGCTTTTGTCTCTCATTCACAGGTGGGCCCTTCTCTGCTCCCATCATC 437
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RESULT 7
BD157842
LOCUS
DEFINITION
ACCESSION

BD157842 1993 bp DNA linear PAT 17-JAN-2003
Primer for synthesizing full-length cDNA and use thereof.
BD157842

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ORGANISM     Homo sapiens
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AUTHORS      Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
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Db	254	GGCAACCATACACATGGCACCACTTCACACAGGGAACGCAAAAGGCAATACCTGTGGCA	313	
QY	899	GGGGGGTCATGTCGTATCTATATATATCTGTCTGTCATCTCTGATCTGGCGTGGCG	958	
Db	314	GGGGGGTCATGTCGTATCTATATATCTGTCTGTCATCTCTGATCTGGCGTGGCG	373	
QY	959	GAGCAGAGAAACCCATGAAGCCAGCAGCTCTGAGCCCAATCGCTTCTCGGGGCTTA	1018	
Db	374	GAGCAGAGAAACCCATGAAGCCAGCAGCTCTGAGCCCAATCGCTTCTCGGGGCTTA	433	
QY	1019	CGGCTGTGCATGAGCCAGGCGCCATACATCAAACTTATTACTGGCTTCTCTTCACTCC	1078	
Db	434	CGGCTGTGCATGAGCCAGGCGCCATACATCAAACTTATTACTGGCTTCTCTTCACTCC	493	
QY	1079	TTGGCTTTTCATGCTGGTGGAGGGGAATTTGCTCTGTTTGGACCTACACCTTGGGCTTC	1138	
Db	494	TTGGCTTTTCATGCTGGTGGAGGGGAATTTGCTCTGTTTGGACCTACACCTTGGGCTTC	553	
QY	1139	CGCAATGAATTCAGAACTTACTCTCGCCATCATGCTCTGGCCACTTTAACCATTC	1198	
Db	554	CGCAATGAATTCAGAACTTACTCTCGCCATCATGCTCTGGCCACTTTAACCATTC	613	
QY	1199	ATCTGGCAGTGGTCTTACCGGTTTGGCAAGACAGCTGTATATGTTGGATCTCA	1258	
Db	614	ATCTGGCAGTGGTCTTACCGGTTTGGCAAGACAGCTGTATATGTTGGATCTCA	673	
QY	1259	TCAGCAGTGGCATTTCTCATCTTGGTGCCCTCATGGAGAGTAACCTTCATATACATAT	1318	
Db	674	TCAGCAGTGGCATTTCTCATCTTGGTGCCCTCATGGAGAGTAACCTTCATATACATAT	733	
QY	1319	CGGATGACTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTTACTACCTGGTCCATG	1378	
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QY	1379	CTGGCTGTATGTCATTGACGACTTCCATCTGAAGCAGCCACATTCATGGAACCGAGCC	1438	
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QY	1439	ATCTCTTCTCTCTTATGTTCTTCCACCAAGTTTGCTTGGAGTGTCACTGGGCATT	1498	
Db	854	ATCTCTTCTCTCTTATGTTCTTCCACCAAGTTTGCTTGGAGTGTCACTGGGCATT	913	
QY	1499	TCTACCTTCAGTCTGGACTTTGAGGGTACACACCGGTGGCTGTCTCGAGCGGAACT	1558	
Db	914	TCTACCTTCAGTCTGGACTTTGAGGGTACACACCGGTGGCTGTCTCGAGCGGAACT	973	

QY	1559	GTCAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTCATCCTGCTGGGC	1618
Db	974	GTCAAGTTTACACTGACATGCTCGTGACCATGGCTCCCATAGTTCATCCTGCTGGGC	1033
QY	1619	CTGCTGCTCTTCAAAATGTAACCCCATTTGATGAGGAGAGCGCGGCGGAGAAATAAGAAGGCC	1678
Db	1034	CTGCTGCTCTTCAAAATGTAACCCCATTTGATGAGGAGAGCGCGGCGGAGAAATAAGAAGGCC	1093
QY	1679	CTGCAGGCACTGAGGAGACGAGCGCAGCAGCTCTGTGCTCTCAGAAACAGACTCCACAGAG	1738
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Db	1214	AAGGGATCAGGACCTGCTCTGCGCGTGTGCTGACAGCTGGACCTGCAGGTGCTAGGAAGGG	1273
QY	1859	AACCTGAAGACTCAAGGAGGTGGCCCGACGACATGCTGTGCTACTGTGCGGCGCGGTGTC	1918
Db	1274	AACCTGAAGACTCAAGGAGGTGGCCCGACGACATGCTGTGCTACTGTGCGGCGCGGTGTC	1333
QY	1919	TCGTGTGGCCTCCTGCCTCCCTCTGCCTGTGGGCGCAAGCCCTGGGCGTCCCACTG	1978
Db	1334	TCGTGTGGCCTCCTGCCTCCCTCTGCCTGTGGGCGCAAGCCCTGGGCGTCCCACTG	1993
QY	1979	TGAATATGCCAAGGACGTATCGGGCCTAGCCCGGAACACTAATGTAGAAACCTTTTTTTT	2038
Db	1394	TGAATATGCCAAGGACGTATCGGGCCTAGCCCGGAACACTAATGTAGAAACCTTTTTTTT	1453
QY	2039	ACAGAGCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGT	2098
Db	1454	ACAGAGCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGT	1513
QY	2099	CTGTGACCTAATTAATGTTAATTTTCATAAAAGCTGGAAGC	2142
Db	1514	CTGTGACCTAATTAATGTTAATTTTCATAAAAGCTGGAAGC	1557

RESULT 11

BC006353
LOCUS

DEFINITION

ACCESSION

ACCESSION
VERSION

KEYWORDS
SOURCE

SOURCE	ORGANISM
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2	
3	
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100

REFERENCE

AUTHORS

TITLE
JOURNAL

CONTENTS

REMARK

COMMENT

Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R., Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C., McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J., Tjongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A., Zhang,L.-H. and Green,E.D.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAL Plate: 17 Row: e Column: 24
This clone was selected for full length sequencing because it passed the following selection criteria: GenomeScan gene prediction.

FEATURES

source

Location/Qualifiers

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CDS

BASE COUNT 353 a 423 c 387 g 367 t

Query Match 69.1%; Score 1480.8; DB 9; Length 1530;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 1493; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY	647	ATGTTCCCTACTCGGCTCTACCATGTTTCATCAGCAACCGAGAGACTGACGGGATCT	706
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DB	69	GCCACCGCTATCGGATGACTGTGGAAGTGTGGGCACAGTGTGGGCACGCGGATCCAG	128
QY	767	GGACAAATCGTGGGCCAAGCAGACACGCGCTTTGTTCCAGGACTTCAATAGCTCTACAGTA	826
DB	129	GGACAAATCGTGGGCCAAGCAGACACGCGCTTTGTTCCAGGACTTCAATAGCTCTACAGTA	188
QY	827	GCTTCACAAAGTGCACACCATACATGGCACCCTTTCACACAGGGAACCAAGGCA	886
DB	189	GCTTCACAAAGTGCACACCATACATGGCACCCTTTCACACAGGGAACCAAGGCA	248
QY	887	TACCTGTGGCAGCGGGGTCATTGTCTGTATCTATATATATCTGTCTGTCTATCCTGATC	946
DB	249	TACCTGTGGCAGCGGGGTCATTGTCTGTATCTATATATCTGTCTGTCTATCCTGATC	308
QY	947	CTGGGCTGGGGAGCAGAGAACCCCTATGAAGCCCGAGCTGTGAGCCCAATCGCCTAC	1006
DB	309	CTGGGCTGGGGAGCAGAGAACCCCTATGAAGCCCGAGCTGTGAGCCCAATCGCCTAC	368
QY	1007	TTCCGGGGCTACGGCTGGTCATGAGCCACGGCCCATACATCAAACTTTTACTGGCTTC	1066
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QY	1067	CTCTTACCTCCTTGGCTTTTCATGCTGTGGAGGGGAACTTTGTCTTGTGTCACCTAC	1126
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QY	1127	ACCTTGGGCTTCCGCAATGAATTCAGAAATCTACTCTCGGCATCATGCTCTCTGGCCACT	1186
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QY	1307	ATCATATACATATGCGGTAGCTGTGSCAGCTGGCATCTGATGTGGAGCTGCTTCTTACTA	1366
DB	669	ATCATATACATATGCGGTAGCTGTGSCAGCTGGCATCTGATGTGGAGCTGCTTCTTACTA	728
QY	1367	CCCTGGTCCATGCTGCCGTGATGTCATTGACGACTTCCATCTGAGCAGCCCATCTCCAT	1426
DB	729	CCCTGGTCCATGCTGCCGTGATGTCATTGACGACTTCCATCTGAGCAGCCCATCTCCAT	788
QY	1427	GGAAACCGAGCCCATCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1486
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QY	1487	TCATCTGGCATTTCTACCTCAGCTGAGCTTTCAGGCTGACGAGCCGCTGCTGCTGCTG	1546
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QY	1547	CAGCGGAAACCTGCAAGTTTACACTGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1606
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QY	1787	AGAGGCGCACAGAGGATCAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1846
DB	1149	AGAGGCGCACAGAGGATCAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1208
QY	1847	TGCTAGGAGGGAAGTGAAGACTCAAGAGGTGGCCGAGGAGACTTGTGCTGCTGCTG	1906
DB	1209	TGCTAGGAGGGAAGTGAAGACTCAAGAGGTGGCCGAGGAGACTTGTGCTGCTGCTG	1268
QY	1907	GGGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1966
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QY	1967	GGGCTGCCACCTGTGAATATGCAAGGACTGATCGGCGCTAGCCCGGGAACACTAATG	2026
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DB	1389	AACCTTTTTTTTACAGAGCCCTAATTAATTAATTAATTAATTAATTAATTAATTAAT	1448
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RESULT 12

BC046793

LOCUS

DEFINITION Mus musculus, RIKEN cdna 1700018018 gene, clone MGC:61288

BC046793

2148 bp

mRNA

linear

rod 14-FEB-2003

[illegible]

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Qy	1317	ATGCGGTAGCTGTGGGAGCTGGCATAGTATGAGCAGTGCCTTCTACTACCTGGTCCA	1376
Db	1303	ACGTGGTGGCGTAGCAGCTGGCGTCTAGTCTAGCAGTGCCTTCTACTACCATGGTCCA	1362
Qy	1377	TGCTGCCTGATGTCATTGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAAACCGAGC	1436
Db	1363	TGCTGCCTGAGTATCGATGACTTCCACCTGAAACACCTCTCACTCCCTGGCACCGAGC	1422
Qy	1437	CCATCTTCTCTCTCTATGCTCTTTCACCAAGTTTGCTCTGAGTGTCACTGGGCA	1496
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Qy	1497	TTTCTACCTCAGTCTGGACTTTCAGAGGTACACAGACCCGTGGTGTCTGGACCGGAAC	1556
Db	1483	TCTTACCTCAGTCTGGACTTTCAGAGGTACACAGACCCGTGGTGTCTGGACCGGAAC	1542
Qy	1557	GTGTCAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTCTCATCTGCTGG	1616
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Qy	1617	GCCTGTGCTCTTCAAAATGTACCCATTTGATGAGGAGCGCGCGCAGAAATGAAGG	1676
Db	1603	GCCTGTGCTCTTCAAGTCTTACCCATTTGATGAGGAGCGCGCGCAGAAATGAAGG	1662
Qy	1677	CCCTGACGACCTGAGGAGCGGACGAGCAGTCTGCTGCTCAGAAACAGACTCCACAG	1736
Db	1663	CTCTGACGAGTCTACGAGAGAAAGCAGCAGTCTGCTGCTGATACAGACTCCACAG	1722
Qy	1737	AGCTGGCTAGCATCTCTAGGGCCCGCACGCTTCCCGAAGCCACCATGCAAGAGGCC	1794
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Qy	1795	-----ACAGAAGGATCAGGACCTGTCTGCCGGCTTGTGTGAGCAGCTGGAGTGC	1843
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Qy	1844	AGTGTCTAGGAAGGAACTGAAGACTCAAGAGGTGGCCAGGACACTTGTGTGCTCAC	1903
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LOCUS			
DEFINITION			
ACCESSION			
VERSION			
KEYWORDS			
SOURCE			
ORGANISM			
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;			
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.			
REFERENCE			
AUTHORS			
TITLE			
JOURNAL			
COMMENT			
1 (bases 1 to 804)			
Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,			
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.			
Primer for synthesizing full-length cDNA and use thereof			
Patent: JP 2002191363-A 2273 09-JUL-2002;			
HELIX RESEARCH INSTITUTE			
OS Homo sapiens (human)			
PN JP 2002191363-A/2273			
PD 09-JUL-2002			
PF 28-JUL-2000 JP 2000280990			
PI TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,KOJI HAYASHI,KAORU			
PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,			
PI KEIICHI NAGAI,TETSUJI OTSUKI			
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Primer for synthesizing full-length cDNA and use thereof FH Key			
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DEFINITION	BD125260		
ACCESSION	BD125260.1	GI:23220205	
VERSION	JP 2002017375-A/691.		
KEYWORDS	Homo sapiens (human)		
SOURCE	Homo sapiens		
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
REFERENCE	1 (bases 1 to 780)		
AUTHORS	Oka,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y., Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and Koga,H.		
TITLE	Primer for synthesizing full-length cDNA and use thereof		
JOURNAL	Patent: JP 2002017375-A 691 22-JAN-2002;		
COMMENT	HELIX RESEARCH INSTITUTE OS Homo sapiens (human) PN JP 2002017375-A/691 PD 22-JAN-2002 PF 07-JUL-2000 JP 2000253172 PI TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO PI ISHII, PI YURI KAWAI, AI WAKAMATSU, TOMOYASU SUGIYAMA, KEIICHI NAGAI, PI SHINICHI KOJIMA, PI TETSUJI OTSUKI, HISASHI KOGA PC C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/ PC 10, C12P21/02, C12P1/68, C12P21/08, G06F17/30, C12N15/00, C12N5/00 CC Primer for synthesizing full-length cDNA and use thereof FH Key Location/Qualifiers FT source 1. 780 Location/Qualifiers FT Location/Qualifiers 1. 780 /organism="Homo sapiens" /mol_type="genomic DNA" /db_xref="taxon:9606"		
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ORIGIN	5 others		
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Best Local Similarity	99.2%;	Pred. No. 2,1e-163;	Length 780;
Matches	705;	Conservative	0; Mismatches 5; Indels 1; Gaps 1;
QY	37	GCAGCGCTTGGCTAGCGCGCGCGCGCTGGCTTAAGGCTGTACGAAGCGAGCTTGGGAGG	96
Db	24	GCAGCGCTTGGCTAGCGCGCGCGCGCTGGCTTAAGGCTGTACGAAGCGAGCTTGGGAGG	83
QY	97	AGCAGCGGCTCGCGGGCAGAGGAGCATCCCGCTCTACAGGTCCCAAGCGCGTGGCCCG	156
Db	84	AGCAGCGGCTCGCGGGCAGAGGAGCATCCCGCTCTACAGGTCCCAAGCGCGTGGCCCG	143

FEATURES		Location/Qualifiers	
source	FT source	1..865	
	FT	/organism='Homo sapiens (human)'	
source	Location/Qualifiers	1..865	
		/organism="Homo sapiens" /mol_type="genomic DNA" /db_xref="taxon:9606"	
BASE COUNT	176 a	263 c	239 g
ORIGIN		182 t	5 others
Query Match 32.38; Score 592.4; DB 6; Length 865;			
Best Local Similarity 98.1%; Pred. No. 3.8e-163;			
Matches 740; Conservative 0; Mismatches 10; Indels 4; Gaps 4;			
QY	37	GC CGGCTTGGCTAGCGCGCGCGCGCTGCTAAGCTGTACGAAGCAGCTTGGGAGG	96
Db	18	GC CGGCTTGGCTAGCGCGCGCGCGCTGCTAAGCTGTACGAAGCAGCTTGGGAGG	77
QY	97	AGCAGCGGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGCTGGCCCG	156
Db	78	AGCAGCGGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGCTGGCCCG	137
QY	157	CGGGTCATGCCCCAAGAGAGAGCGCGCGAGAGCGGCTCCGCGGGGGGCTGTACCCACC	216
Db	138	CGGGTCATGCCCCAAGAGAGAGCGCGCGAGAGCGGCTCCGCGGGGGGCTGTACCCACC	197
QY	217	AGCATCTCCAAAGCACTGAACGCCGCCCGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAA	276
Db	198	AGCACCTCCAAAGCACTGAACGCCGCCCGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAA	257
QY	277	CAACAGTTGTCTGTTTGCACAAAGCTTTGTATGCACCTTGGGGAGCCCTACCAAGTG	336
Db	258	CAACAGTTGTCTGTTTGCACAAAGCTTTGTATGCACCTTGGGGAGCCCTACCAAGTG	317
QY	337	ACGGGCTGTGCCCTGGGTTTCTTCCTTCAGATCTACCTATTTGGATGTGGCTCAGGTGGC	396
Db	318	ACGGGCTGTGCCCTGGGTTTCTTCCTTCAGATCTACCTATTTGGATGTGGCTCAGGTGGC	377
QY	397	CTTTTCTCTGCCCTCCATCATCTGTTTGTGGCGGAGCCCTGGGATGCCATCACAGACCC	456
Db	378	CTTTTCTCTGCCCTCCATCATCTGTTTGTGGCGGAGCCCTGGGATGCCATCACAGACCC	437
QY	457	CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGGCTGGCTGCCCTTATGCCCTGG	516
Db	438	CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGGCTGGCTGCCCTTATGCCCTGG	497
QY	517	ATCATCTTCTCCAGCGCCCTGGCGGCTATTGCTTCTTCTTATTTGCCCTTCTTTGAAACAATGTC	576
Db	498	ATCATCTTCTCCAGCGCCCTGGCGGCTATTGCTTCTTCTTATTTGCCCTTCTTTGAAACAATGTC	557
QY	577	TTCCACACGCGCAGACCTATTGGTACCTGCTTTTCTTATTTGCCCTTCTTTGAAACAATGTC	636
Db	558	TTCCACACGCGCAGACCTATTGGTACCTGCTTTTCTTATTTGCCCTTCTTTGAAACAATGTC	617
QY	637	ACGTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGA	696
Db	618	ACGTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGA	676
QY	697	GC GGATTTCTGCC - ACCGCCATAC - GGATGACTGTGGAAGTGTGGGCACAGTGCT - GGG	753
Db	677	GC GGATTTCTGCCAACCGCCTATCGGGATGACTGTGGAAGTGTGGGCACAGTGCTGGG	736
QY	754	CAGGCGCATCCAGGCAAAATCGTGGGCCAAGCA 787	
Db	737	CACNGGATTCAGGCAAAATCGTGGGCCAAGCA 770	

Search completed: September 24, 2003, 14:33:05
Job time : 7898 secs

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Result No.	Query ^a			ID	Description
	Score	Match	Length		
1	2142	100.0	2142	21	AAC58369 Human PRO341 nucle
2	2142	100.0	2142	21	AAZ64947 Membrane-bound pro
3	2142	100.0	2142	22	AAFA4093 Human PRO341 (UNQ3
4	2142	100.0	2142	25	ABX80120 Novel human secret
5	2142	100.0	2142	25	ABX80624 Human secreted/tra
6	2142	100.0	2142	25	ABX81007 Novel human secret
7	2142	100.0	2142	25	ABX90097 Human secreted/tra
8	2142	100.0	2142	25	ABX77708 Human PRO polynuc1

26-JUL-1999; 99US-0145698.
30-NOV-1999; 99NO-US28313.
20-DEC-1999; 99WO-US30911.
05-JAN-2000; 2000WO-US00219.
(GETH) GENENTECH INC.
Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hillan KJ, Roy MA;
Watanabe CK, Wood WI;
WPI; 2000-572270/53.
P-PSDB; AAB24059.
Thirty PRO polynucleotides encoding PRO polypeptides, useful in the
treatment, diagnosis and prevention of cancer -
Claim 50; Fig 5; 286pp; English.
The present invention describes an isolated antibody that binds to
one of the human PRO proteins designated PRO12, PRO290, PRO341, PRO535,
PRO619, PRO717, PRO809, PRO830, PRO848, PRO943, PRO1005, PRO1009,
PRO1025, PRO1030, PRO1097, PRO1107, PRO1111, PRO1153, PRO1182, PRO1184,
PRO1187, PRO1281, PRO23, PRO39, PRO834, PRO1317, PRO1710, PRO2094,
PRO2145 OR PRO2198. PRO antagonists can be used to inhibit tumour cell
growth. The PRO polypeptides and nucleotides are useful in the
treatment, diagnosis and prevention of cancer. The antibodies and other
anti-tumour compounds may be used to treat various conditions, including
those characterised by overexpression and/or activation of the amplified
PRO genes. Exemplary conditions or disorders to be treated with such
antibodies and other compounds include benign or malignant tumours
(e.g., renal, liver, kidney, bladder, breast, gastric, ovarian,
colorectal, prostate, pancreatic, lung, vulva, thyroid, hepatic
carcinomas, sarcomas, glioblastomas, and various head and neck tumours),
leukaemias and lymphoid malignancies, other disorders such as neuronal,
glial, astrocytic, hypothalamic and other glandular, macrophagal,
epithelial, stromal and blastocoeleic disorders, and inflammatory,
angiogenic and immunologic disorders. AAC58242 to AAC58366 represent PCR
primers and hybridisation probes used in the isolation of the human PRO
sequences. AAC58367 to AAC58396 and AAB24057 to AAB24089 represent human
PRO polynucleotide and protein sequences given in the exemplification of
the present invention.
Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;
Query Match 100.0%; Score 2142; DB 21; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGTGGCTAGCGCGCGG 60
DB 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGTGGCTAGCGCGCGG 60
QY 61 CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGCTGGCGGCGGCGG 120
DB 61 CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGCTGGCGGCGGCGG 120
QY 121 GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCGGCGGCTGATGGCCAAAGAGAAGC 180
DB 121 GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCGGCGGCTGATGGCCAAAGAGAAGC 180
QY 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCACAGCATCTCCAAAGCACTGAACGC 240
DB 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCACAGCATCTCCAAAGCACTGAACGC 240
QY 241 CCGGCCAGGTGGAAGAAGAACCGAAGAAAGAAAGAAACACAGTGTCTGTTGCAACAAG 300
DB 241 CCGGCCAGGTGGAAGAAGAACCGAAGAAAGAAAGAAACACAGTGTCTGTTGCAACAAG 300
QY 301 CTTTGTATGCATCTGGGGAGCCCGCTACCAAGTCAAGCGGCTGGCCCTGGGTTTCTTC 360
DB 301 CTTTGTATGCATCTGGGGAGCCCGCTACCAAGTCAAGCGGCTGGCCCTGGGTTTCTTC 360
QY 361 CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCGCTCCATCTCTG 420

DB 361 CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCGCTCCATCATCTG 420
QY 421 TTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGCTATCAGAAA 480
DB 421 TTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGCTATCAGAAA 480
QY 481 TCCCGCTGGACCTGCTGGTGGGCTGGGCTGGGATGATGCTTCTCCAGCGCCCTGGCC 540
DB 481 TCCCGCTGGACCTGCTGGTGGGCTGGGCTGGGATGATGCTTCTCCAGCGCCCTGGCC 540
QY 541 GTCATTGCTTCT 600
DB 541 GTCATTGCTTCT 600
QY 601 TACCTGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 660
DB 601 TACCTGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 660
QY 661 GCTCTCACCATTGTCATCAGCAACCGAGAGACTGAGCGGATTTCTGCCACCGCTATCG 720
DB 661 GCTCTCACCATTGTCATCAGCAACCGAGAGACTGAGCGGATTTCTGCCACCGCTATCG 720
QY 721 GATGACTGTGGAAGTCTGGGCGACAGTCTGGGCGAGGCGATCCAGGCAAAATCGTGG 780
DB 721 GATGACTGTGGAAGTCTGGGCGACAGTCTGGGCGAGGCGATCCAGGCAAAATCGTGG 780
QY 781 CCAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC 840
DB 781 CCAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC 840
QY 841 CAACCATACATATGGACCACTTTCACACAGGGAACGCAAAAGGCACTCTGCGCAGC 900
DB 841 CAACCATACATATGGACCACTTTCACACAGGGAACGCAAAAGGCACTCTGCGCAGC 900
QY 901 GGGGCTCATGCTGTATCTATATAATCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCT 960
DB 901 GGGGCTCATGCTGTATCTATATAATCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCT 960
QY 961 GCAGAGAGAACCCTATGAAGCCCGAGCGTCTGAGCAATCGCTACTTCCGGGCGCTAG 1020
DB 961 GCAGAGAGAACCCTATGAAGCCCGAGCGTCTGAGCAATCGCTACTTCCGGGCGCTAG 1020
QY 1021 GCTGTCATGAGCGGCGCCATACATAAACTTATTACTGGCTTCTCTTCCCTCCCT 1080
DB 1021 GCTGTCATGAGCGGCGCCATACATAAACTTATTACTGGCTTCTCTTCCCTCCCT 1080
QY 1081 GCGTTTTCATGCTGGTGGGGAACCTTGTCTGTGTTTGCACCTACACCTTGGGCTTCCG 1140
DB 1081 GCGTTTTCATGCTGGTGGGGAACCTTGTCTGTGTTTGCACCTACACCTTGGGCTTCCG 1140
QY 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTTAAACCATTCAT 1200
DB 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTTAAACCATTCAT 1200
QY 1201 CTGGCAGTGGTCTTGTACCGGTTTGGCAAGACAGCTGTATATGTGGGATCTCATC 1260
DB 1201 CTGGCAGTGGTCTTGTACCGGTTTGGCAAGACAGCTGTATATGTGGGATCTCATC 1260
QY 1261 AGCAGTGCATTTCTCATCTTGGTGGCCCTCATGGAGATTAACCTCATCATATCATATGC 1320
DB 1261 AGCAGTGCATTTCTCATCTTGGTGGCCCTCATGGAGATTAACCTCATCATATCATATGC 1320
QY 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGGAGCTTCTTACTACCCCTGGTCCATGCT 1380
DB 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGGAGCTTCTTACTACCCCTGGTCCATGCT 1380
QY 1381 GCCTGATGCTATGACGACTTCCATCTGAAGAGCCCACTTCCATGGAACCGAGCCCAT 1440
DB 1381 GCCTGATGCTATGACGACTTCCATCTGAAGAGCCCACTTCCATGGAACCGAGCCCAT 1440
QY 1441 CTTCTTCT 1500

Db	1441	CTTCTTCTCCCTTCATGCTTCTTTCACAAAGTTTGGCTCTCGAGTGTCACTGGGCAATTC	1500	PR	04-JUN-1998;	98US-0088025.
Qy	1501	TACCTCAGTCTGACATTTTCAGGGTACCAAGCCGCTGGCTCGCAGCCGGAACGTGT	1560	PR	04-JUN-1998;	98US-0088028.
Db	1501	TACCTCAGTCTGACATTTTCAGGGTACCAAGCCGCTGGCTCGCAGCCGGAACGTGT	1560	PR	04-JUN-1998;	98US-0088030.
Qy	1561	CAAGTTTACACTGAACATGCTGTCGATGAGCATGGCTCCCATAGTTCTCATCCCTGGGCT	1620	PR	04-JUN-1998;	98US-0088033.
Db	1561	CAAGTTTACACTGAACATGCTGTCGATGAGCATGGCTCCCATAGTTCTCATCCCTGGGCT	1620	PR	05-JUN-1998;	98US-0088167.
Qy	1621	GCTGCTCTTCAAAATGTACCCCATGTATGAGGAGAGGGGGGCGGAGATAAGAAGGCCCT	1680	PR	05-JUN-1998;	98US-0088212.
Db	1621	GCTGCTCTTCAAAATGTACCCCATGTATGAGGAGAGGGGGGCGGAGATAAGAAGGCCCT	1680	PR	05-JUN-1998;	98US-0088217.
Qy	1681	GCAGGCACTGAGGACAGGCGCAGCAGCTCTGCTGCTCAGAAACAGACTCCACAGAGCT	1740	PR	09-JUN-1998;	98US-0088655.
Db	1681	GCAGGCACTGAGGACAGGCGCAGCAGCTCTGCTGCTCAGAAACAGACTCCACAGAGCT	1740	PR	10-JUN-1998;	98US-0088722.
Qy	1741	GGCTAGCATCCTCTAGGGCCGCGCACCTTGCCCGAAGCCACCATGCAGAAAGCCACAGAA	1800	PR	10-JUN-1998;	98US-0088730.
Db	1741	GGCTAGCATCCTCTAGGGCCGCGCACCTTGCCCGAAGCCACCATGCAGAAAGCCACAGAA	1800	PR	10-JUN-1998;	98US-0088734.
Qy	1801	GGGATCAGGACCTGTCTGCGGGCTTGCTGACGACCTGGAGTGCAGGAGGGAA	1860	PR	10-JUN-1998;	98US-0088738.
Db	1801	GGGATCAGGACCTGTCTGCGGGCTTGCTGACGACCTGGAGTGCAGGAGGGAA	1860	PR	10-JUN-1998;	98US-0088740.
Qy	1861	CTGAAGACTCAAGAGGTGGCCAGGACACTTGCTGCTCAGTGTGGGGCCGCTGCTC	1920	PR	10-JUN-1998;	98US-0088741.
Db	1861	CTGAAGACTCAAGAGGTGGCCAGGACACTTGCTGCTCAGTGTGGGGCCGCTGCTC	1920	PR	10-JUN-1998;	98US-0088742.
Qy	1921	TGTGGCTCTCCCTCCCTCTGCTGCTGCTGGGGCCAAAGCCCTGGGGCTGCCACTGTG	1980	PR	10-JUN-1998;	98US-0088810.
Db	1921	TGTGGCTCTCCCTCCCTCTGCTGCTGCTGGGGCCAAAGCCCTGGGGCTGCCACTGTG	1980	PR	10-JUN-1998;	98US-0088811.
Qy	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGAAGCACTAATGTAGAACCTTTTTTTAC	2040	PR	10-JUN-1998;	98US-0088824.
Db	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGAAGCACTAATGTAGAACCTTTTTTTAC	2040	PR	10-JUN-1998;	98US-0088825.
Qy	2041	AGAGCCTAATTAATGCTGATGCTGTATAGCAATGCTGTGTATATATATATGCT	2100	PR	10-JUN-1998;	98US-0088826.
Db	2041	AGAGCCTAATTAATGCTGATGCTGTATAGCAATGCTGTGTATATATATATGCT	2100	PR	11-JUN-1998;	98US-0088858.
Qy	2101	GTGAGCTATTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	2142	PR	11-JUN-1998;	98US-0088861.
Db	2101	GTGAGCTATTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	2142	PR	11-JUN-1998;	98US-0088863.
RESULT 2						98US-0088876.
AAZ64947						98US-0088909.
XX	ID	AAZ64947	standard; cDNA; 2142 BP.	PR	12-JUN-1998;	98US-0089105.
XX	AC	AAZ64947;		PR	16-JUN-1998;	98US-0089440.
XX	DT	05-APR-2000	(first entry)	PR	16-JUN-1998;	98US-0089512.
XX	DE	Membrane-bound protein PRO341 encoding cDNA.				98US-0089514.
XX	KW	Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;				98US-0089532.
XX	KW	pharmaceutical; receptor immunoadhesin; gene mapping; ss.				98US-0089538.
XX	OS	Homo sapiens.				98US-0089598.
XX	PN	W09963088-A2.		PR	17-JUN-1998;	98US-0089599.
XX	PD	09-DEC-1999.		PR	17-JUN-1998;	98US-0089600.
XX	PF	02-JUN-1999;	99WO-US12252.	PR	17-JUN-1998;	98US-0089653.
XX	PR	02-JUN-1998;	98US-0087607.	PR	18-JUN-1998;	98US-0089801.
XX	PR	02-JUN-1998;	98US-0087609.	PR	18-JUN-1998;	98US-0089907.
XX	PR	02-JUN-1998;	98US-0087759.	PR	19-JUN-1998;	98US-0089908.
XX	PR	02-JUN-1998;	98US-0087827.	PR	19-JUN-1998;	98US-0089947.
XX	PR	04-JUN-1998;	98US-0088021.	PR	19-JUN-1998;	98US-0089948.
				PR	22-JUN-1998;	98US-0090246.
				PR	22-JUN-1998;	98US-0090252.
				PR	22-JUN-1998;	98US-0090254.
				PR	23-JUN-1998;	98US-0090349.
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				PR	24-JUN-1998;	98US-0090429.
				PR	24-JUN-1998;	98US-0090431.
				PR	24-JUN-1998;	98US-0090435.
				PR	24-JUN-1998;	98US-0090444.
				PR	24-JUN-1998;	98US-0090445.
				PR	24-JUN-1998;	98US-0090461.
				PR	24-JUN-1998;	98US-0090472.
				PR	24-JUN-1998;	98US-0090535.
				PR	24-JUN-1998;	98US-0090538.
				PR	24-JUN-1998;	98US-0090540.
				PR	25-JUN-1998;	98US-0090557.
				PR	25-JUN-1998;	98US-0090676.
				PR	25-JUN-1998;	98US-0090678.
				PR	25-JUN-1998;	98US-0090688.
				PR	25-JUN-1998;	98US-0090690.
				PR	25-JUN-1998;	98US-0090691.
				PR	25-JUN-1998;	98US-0090694.
				PR	25-JUN-1998;	98US-0090695.
				PR	26-JUN-1998;	98US-0090696.
				PR	26-JUN-1998;	98US-0090862.
				PR	26-JUN-1998;	98US-0090863.
				PR	01-JUL-1998;	98US-0091358.
				PR	01-JUL-1998;	98US-0091360.
				PR	01-JUL-1998;	98US-0091544.

PR 02-JUL-1998; 98US-0091478.
 PR 02-JUL-1998; 98US-0091486.
 PR 02-JUL-1998; 98US-0091519.
 PR 02-JUL-1998; 98US-0091519.
 PR 02-JUL-1998; 98US-0091626.
 PR 02-JUL-1998; 98US-0091628.
 PR 02-JUL-1998; 98US-0091633.
 PR 02-JUL-1998; 98US-0091646.
 PR 02-JUL-1998; 98US-0091673.
 PR 02-JUL-1998; 98US-0091673.
 PR 07-JUL-1998; 98US-0091978.
 PR 07-JUL-1998; 98US-0091982.
 PR 09-JUL-1998; 98US-0091982.
 PR 10-JUL-1998; 98US-0092472.
 PR 10-JUL-1998; 98US-0092472.
 PR 30-JUL-1998; 98US-0093339.
 PR 04-AUG-1998; 98US-0094651.
 PR 04-AUG-1998; 98US-0095282.
 PR 04-AUG-1998; 98US-0095285.
 PR 04-AUG-1998; 98US-0095301.
 PR 04-AUG-1998; 98US-0095302.
 PR 04-AUG-1998; 98US-0095318.
 PR 04-AUG-1998; 98US-0095321.
 PR 04-AUG-1998; 98US-0095325.
 PR 10-AUG-1998; 98US-0095916.
 PR 10-AUG-1998; 98US-0095929.
 PR 10-AUG-1998; 98US-0096012.
 PR 11-AUG-1998; 98US-0096143.
 PR 12-AUG-1998; 98US-0096146.
 PR 12-AUG-1998; 98US-0096329.
 PR 17-AUG-1998; 98US-0096757.
 PR 17-AUG-1998; 98US-0096766.
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 PR 17-AUG-1998; 98US-0096895.
 PR 17-AUG-1998; 98US-0096899.
 PR 18-AUG-1998; 98US-0096949.
 PR 18-AUG-1998; 98US-0096950.
 PR 18-AUG-1998; 98US-0096959.
 PR 18-AUG-1998; 98US-0096960.
 PR 18-AUG-1998; 98US-0097022.
 PR 19-AUG-1998; 98US-0097141.
 PR 20-AUG-1998; 98US-0097218.
 PR 20-AUG-1998; 98US-0097661.
 PR 26-AUG-1998; 98US-0097951.
 PR 26-AUG-1998; 98US-0097952.
 PR 26-AUG-1998; 98US-0097954.
 PR 26-AUG-1998; 98US-0097955.
 PR 26-AUG-1998; 98US-0097971.
 PR 26-AUG-1998; 98US-0097974.
 PR 26-AUG-1998; 98US-0097978.
 PR 26-AUG-1998; 98US-0097979.
 PR 26-AUG-1998; 98US-0097986.
 PR 31-AUG-1998; 98US-0098014.
 PR 31-AUG-1998; 98US-0098525.
 PR 16-SEP-1998; 98US-0100634.
 PR 12-JAN-1999; 99US-0115565.
 (GETH) GENENTECH INC.
 Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
 PI Wood WI, Yuan J;
 XX
 WPI: 2000-072883/06.
 P-PSDB; AAY66635.
 DR
 XX Membrane-bound proteins and related nucleotide sequences -
 PT
 XX Claim 2; Fig 11; 822pp; English.
 PS
 XX The invention provides membrane-bound PRO polypeptides and
 CC polynucleotides encoding them. The PRO sequences of the invention were

CC identified based on extracellular domain homology screening. The PRO
 CC sequences have homology with proteins including LDL receptors, TIE
 CC ligands and various enzymes. The membrane-bound proteins and receptor
 CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
 CC immunoadhesins, for instance, can be used as therapeutic agents to block
 CC receptor-ligand interactions. The membrane-bound proteins can also be
 CC employed for screening of potential peptide or small molecule inhibitors
 CC of the relevant receptor/ligand interaction. The PRO encoding sequences
 CC are useful as hybridization probes, in chromosome and gene mapping and in
 CC the generation of antisense RNA and DNA. PRO nucleic acid sequences
 CC will also be useful for the preparation of PRO polypeptides, especially
 CC by recombinant techniques.

SQ Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;

Query Match 100.0%; Score 2142; DB 21; Length 2142;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTGGCTAGCGCGGCGG 60
 Db 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTGGCTAGCGCGGCGG 60

QY 61 CGGTGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGACGAGCGCTCGGGGCGAGAGA 120
 Db 61 CGGTGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGACGAGCGCTCGGGGCGAGAGA 120

QY 121 GCATCCGCTTACCAGGTCCCAAGCGGCGTGGCGGCGGCTGCTACGCAAGAGAGAGGC 180
 Db 121 GCATCCGCTTACCAGGTCCCAAGCGGCGTGGCGGCGGCTGCTACGCAAGAGAGAGGC 180

QY 181 GCCGAGCGGCTCCGCGGCGGCGTGTACCCACGACGCTCCCAAGAGAGAGAGGC 240
 Db 181 GCCGAGCGGCTCCGCGGCGGCGTGTACCCACGACGCTCCCAAGAGAGAGAGGC 240

QY 241 CGGCGCCAGGTGAGAAAGAACCGGAAAGAACCAACAGTTGCTGTTGCAACAAG 300
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QY 301 CTTTGTATGCACCTGGGGAGCCCTACCAGGTGACGGGCTGCGGCTGGGCTTTCTTC 360
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QY 361 CTTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTTCTGCTCCATCATCTCG 420
 Db 361 CTTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTTCTGCTCCATCATCTCG 420

QY 421 TTTGTGGCGCGAGCTGGGATGCCATCAGAGACCCCTGGTGGGCGCTGTCATCAGCAA 480
 Db 421 TTTGTGGCGCGAGCTGGGATGCCATCAGAGACCCCTGGTGGGCGCTGTCATCAGCAA 480

QY 481 TCCCGCTGGACCTGGCTGGGTCGCTTATGCCCTGATCATCTCTCCACGCGGCTGGCC 540
 Db 481 TCCCGCTGGACCTGGCTGGGTCGCTTATGCCCTGATCATCTCTCCACGCGGCTGGCC 540

QY 541 GTCAATGCGCTACTTCTCATCTGTTGTCGCGGAGCTTCCACAGCGGACCTATTGG 600
 Db 541 GTCAATGCGCTACTTCTCATCTGTTGTCGCGGAGCTTCCACAGCGGACCTATTGG 600

QY 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGTCAGTGTTCCTCATGTTCCCTACTCG 660
 Db 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGTCAGTGTTCCTCATGTTCCCTACTCG 660

QY 661 GCTCTCACCATGTTTCATCAGCAACCGAGACTGAGCGGATTCGCCACCGGCTATCG 720
 Db 661 GCTCTCACCATGTTTCATCAGCAACCGAGACTGAGCGGATTCGCCACCGGCTATCG 720

QY 721 GATGACTGTGGAAGTGTCTGGGACAGTGTGGGACCGGATCCAGGAGCAATCGTGG 780
 Db 721 GATGACTGTGGAAGTGTCTGGGACAGTGTGGGACCGGATCCAGGAGCAATCGTGG 780

QY 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTCTACAGTGTTCACAAAGTGC 840
 Db 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTCTACAGTGTTCACAAAGTGC 840

Db	781	CCAAAGCAGACGCGCTTGTTCACAGACTTCAATAGCTTACAGTAGCTTACAAAAGTC	840
Qy	841	CAACCATACATGGCACCACTTCACACAGGAAACGAAAGGCATACCTGCTGGCAGC	900
Db	841	CAACCATACATGGCACCACTTCACACAGGAAACGAAAGGCATACCTGCTGGCAGC	900
Qy	901	GGGGTCAATGCTGTATCATATAATCTGTGTGTATCATCTGATCTGGCGGTGCGGGA	960
Db	901	GGGGTCAATGCTGTATCATATAATCTGTGTGTATCATCTGATCTGGCGGTGCGGGA	960
Qy	961	GCAGAGAACCTTATGAAGCCAGCAGCTGTAGCCCAATCGCCTACTTCCGGGCGCTACG	1020
Db	961	GCAGAGAACCTTATGAAGCCAGCAGCTGTAGCCCAATCGCCTACTTCCGGGCGCTACG	1020
Qy	1021	GCTGGTCATGAGCCAGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTT	1080
Db	1021	GCTGGTCATGAGCCAGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTT	1080
Qy	1081	GGCTTTCATGCTGGTGAGGGGAACCTTGTCTTGTGTTTGGCACTTACACCTTGGGCTTCCG	1140
Db	1081	GGCTTTCATGCTGGTGAGGGGAACCTTGTCTTGTGTTTGGCACTTACACCTTGGGCTTCCG	1140
Qy	1141	CAATGAATCCAGAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAACCATTCCTAT	1200
Db	1141	CAATGAATCCAGAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAACCATTCCTAT	1200
Qy	1201	CTGGCAGTGGTCTTGTACCCGGTTTGGCAAGACAGCTGTATATCTTGGGATCTCATC	1260
Db	1201	CTGGCAGTGGTCTTGTACCCGGTTTGGCAAGACAGCTGTATATCTTGGGATCTCATC	1260
Qy	1261	AGCAGTCCATTTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATCATTAACATATGC	1320
Db	1261	AGCAGTCCATTTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATCATTAACATATGC	1320
Qy	1321	GGTAGCTGTGGCAGCTGGCATCAGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT	1380
Qy	1381	GCCTGATGTGATGACACTTCCATCTGAAGACGCCCACTTCCATGGAACCGAGCCCAT	1440
Db	1381	GCCTGATGTGATGACACTTCCATCTGAAGACGCCCACTTCCATGGAACCGAGCCCAT	1440
Qy	1441	CTTCTTCTCTTATGCTCTTTCACCAAGTTTGCCTCTGGAGTGTCACTGGGCATTC	1500
Db	1441	CTTCTTCTCTTATGCTCTTTCACCAAGTTTGCCTCTGGAGTGTCACTGGGCATTC	1500
Qy	1501	TACCTCAGTCTGAGCTTTCAGGTTACAGACCGTGGCTGCTCGAGCCGGAACTGT	1560
Db	1501	TACCTCAGTCTGAGCTTTCAGGTTACAGACCGTGGCTGCTCGAGCCGGAACTGT	1560
Qy	1561	CAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCCT	1620
Db	1561	CAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCCT	1620
Qy	1621	GCTGCTTCAAATGTACCCCATGTATGAGGAGAGCGCGGCGAGAAATAGAAAGGCCCT	1680
Db	1621	GCTGCTTCAAATGTACCCCATGTATGAGGAGAGCGCGGCGAGAAATAGAAAGGCCCT	1680
Qy	1681	GCAGGCACTGAGGACGAGCCAGCAGCTGCTGCTCAGAACACACTTCCACAGACT	1740
Db	1681	GCAGGCACTGAGGACGAGCCAGCAGCTGCTGCTCAGAACACACTTCCACAGACT	1740
Qy	1741	GGCTAGCATCTCTAGGGCCCGGCACCGTTGCCGGAAGCCACCATGCAAGAGCCACAGAA	1800
Db	1741	GGCTAGCATCTCTAGGGCCCGGCACCGTTGCCGGAAGCCACCATGCAAGAGCCACAGAA	1800
Qy	1801	GGGATCAGGACCTGTCTGCGGCTTGTCTGAGCAGCTGGAGTGCATAGGAAGGGAA	1860
Db	1801	GGGATCAGGACCTGTCTGCGGCTTGTCTGAGCAGCTGGAGTGCATAGGAAGGGAA	1860
Qy	1861	CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGCTGCTCACTGTGGGCGGCTGCTC	1920
Db	1861	CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGCTGCTCACTGTGGGCGGCTGCTC	1920

Qy	1921	TGTGGCTCTGCTGCCCTCCCTGCTGCTGCTGGGCAAGCCCTGGGGCTGCCACCTGTG	1980
Db	1921	TGTGGCTCTGCTGCCCTCCCTGCTGCTGCTGGGCAAGCCCTGGGGCTGCCACCTGTG	1980
Qy	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTTTAC	2040
Db	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTTTAC	2040
Qy	2041	AGAGCCTAATTAATAACTTAATATTTTCAATAAGCTGGAAGC	2100
Db	2041	AGAGCCTAATTAATAACTTAATATTTTCAATAAGCTGGAAGC	2100
Qy	2101	GTGAGCTATTATTAATTAATTTTCAATAAGCTGGAAGC	2142
Db	2101	GTGAGCTATTATTAATTAATTTTCAATAAGCTGGAAGC	2142

RESULT 3
AAF44093
ID AAF44093 standard; cdna; 2142 BP.
XX AAF44093;
AC AAF44093;
XX AC AAF44093;
DT 02-APR-2001 (first entry)
XX Human PRO341 (UNQ300) nucleotide sequence SEQ ID NO:19.
DE Human; secreted and transmembrane protein; PRO; cytostatic;
XX cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay; ss.
KW Homo sapiens.
OS WO200073454-A1.
PN 07-DEC-2000.
PD 30-MAR-2000; 2000WO-US08439.
XX 02-JUN-1999; 99WO-US12252.
PR 23-JUN-1999; 99US-0141037.
PR 07-JUL-1999; 99US-0143048.
PR 20-JUL-1999; 99US-0144758.
PR 26-JUL-1999; 99US-0145698.
PR 28-JUL-1999; 99US-0146222.
PR 17-AUG-1999; 99US-0149396.
PR 15-SEP-1999; 99WO-US21090.
PR 08-OCT-1999; 99US-0158663.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 02-MAR-2000; 2000WO-US05841.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
XX (GETH) GENENTECH INC.
PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferriara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NP;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX

WPI; 2001-032160/04.
P-PSDB; AAB65158.

PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death -

Claim 2; Fig 11; 935pp; English.

The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytosstatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44269 and AAF65154 to AAF65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention.

Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;

1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGCGCTTGCTAGCGCGCGCG 50
1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGCGCTTGCTAGCGCGCGCGCG 60
61 CCGTGGCTAAGGCTGCTACGAAGGAGCTTGGGAGGAGCAGCGGCTCGGGGCGAGAGA 120
61 CCGTGGCTAAGGCTGCTACGAAGGAGCTTGGGAGGAGCAGCGGCTCGGGGCGAGAGA 120
121 GCATCCGCTACACAGTCCAAAGCGGCGTGGCGCGGCGTATGCCCAAGGAGAAAGC 180
121 GCATCCGCTACACAGTCCAAAGCGGCGTGGCGCGGCGTATGCCCAAGGAGAAAGC 180
181 GCCGAGAGCGGCTCCGGCGGGGCTGCTACCCACGAGCATCCTCCAAAGCACTGAAGC 240
181 GCCGAGAGCGGCTCCGGCGGGGCTGCTACCCACGAGCATCCTCCAAAGCACTGAAGC 240
241 CCGGCCGAGGTGAAGAAGAACCGAAAAAGAAACACAGTTGCTGTGTTGCAACAAG 300
241 CCGGCCGAGGTGAAGAAGAACCGAAAAAGAAACACAGTTGCTGTGTTGCAACAAG 300
301 CTTTGCTATGCACTTGGGAGGAGCCCTACCAAGGTGACGGGTGTGCCCTGGGTTCTTC 360
301 CTTTGCTATGCACTTGGGAGGAGCCCTACCAAGGTGACGGGTGTGCCCTGGGTTCTTC 360
361 CTTCAGATCTACCTATTGTCATGTGCTCAGGTGGGCGCTTCTCTGCCCTCATCATCTG 420
361 CTTCAGATCTACCTATTGTCATGTGCTCAGGTGGGCGCTTCTCTGCCCTCATCATCTG 420
421 TTTGTGGGCGGAGCGTGGATGCCATCAGACCCCTGTGTGGGCTCTGCATCAGCAAA 480
421 TTTGTGGGCGGAGCGTGGATGCCATCAGACCCCTGTGTGGGCTCTGCATCAGCAAA 480
481 TCCCGCTGGACCTGCTGGGTGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540
481 TCCCGCTGGACCTGCTGGGTGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540
541 GTCATTTGCTACTTCCCTCATCTGGTGTGGCGGACTTCCACAGGCCAGACCTATTGG 600
541 GTCATTTGCTACTTCCCTCATCTGGTGTGGCGGACTTCCACAGGCCAGACCTATTGG 600
601 TACCTGCTTTTCTATTGCTCTTTGAACAATGGTACGTTGTTCCATGTTCCCTACTCG 660
601 TACCTGCTTTTCTATTGCTCTTTGAACAATGGTACGTTGTTCCATGTTCTACTCG 660

Qy	1741	GGCTAGCATCCTCTAGGGCCCGCCACGTTGCCCGAAGCCACCATGCGAAGGCCACAGAA	1800	PR	06-JAN-2000;	2000WO-US00219.
Db	1741	GGCTAGCATCCTCTAGGGCCCGCCACGTTGCCCGAAGCCACCATGCGAAGGCCACAGAA	1800	PR	06-JAN-2000;	2000WO-US00376.
Qy	1801	GGGATCAGGACCTGTCTGCGCGGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAAGGAA	1860	PR	11-FEB-2000;	2000WO-US03565.
Db	1801	GGGATCAGGACCTGTCTGCGCGGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAAGGAA	1860	PR	18-FEB-2000;	2000WO-US04341.
Qy	1861	CTGAAGACTCAAGAGGTGCGCCAGGACACTTGTGTGCTCAGTGTGGGCGCGCTGCTC	1920	PR	22-FEB-2000;	2000WO-US04414.
Db	1861	CTGAAGACTCAAGAGGTGCGCCAGGACACTTGTGTGCTCAGTGTGGGCGCGCTGCTC	1920	PR	24-FEB-2000;	2000WO-US04914.
Qy	1921	TGTGGGCTCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1980	PR	24-FEB-2000;	2000WO-US05004.
Db	1921	TGTGGGCTCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1980	PR	02-MAR-2000;	2000WO-US05841.
Qy	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTATTAC	2040	PR	10-MAR-2000;	2000WO-US06319.
Db	1981	AATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTATTAC	2040	PR	15-MAR-2000;	2000WO-US06884.
Qy	2041	AGAGCCTAATTAATACTTAATGACTGTGTACATAGCAATGTGTGTATATATGCT	2100	PR	20-MAR-2000;	2000WO-US07377.
Db	2041	AGAGCCTAATTAATACTTAATGACTGTGTACATAGCAATGTGTGTATATATGCT	2100	PR	30-MAR-2000;	2000WO-US08439.
Qy	2101	GTGAGCTATTAAATGTTATTAAATTTTCATAAAAGCTGGAAGC	2142	PR	15-MAY-2000;	2000WO-US13358.
Db	2101	GTGAGCTATTAAATGTTATTAAATTTTCATAAAAGCTGGAAGC	2142	PR	22-MAY-2000;	2000WO-US13705.
RESULT 4						2000WO-US14941.
ABX80120						2000WO-US15264.
ID	ABX80120 standard; DNA; 2142 BP.					2000WO-US20710.
XX						2000WO-US22031.
AC						2000WO-US23522.
XX						2000WO-US23328.
DT						2000WO-US30952.
XX						2000WO-US32678.
DT						2001WO-US06520.
XX						2001WO-US17800.
DT						2001WO-US19692.
XX						2001WO-US21066.
DT						2001WO-US21735.
XX						97US-049787P.
DT						97US-062250P.
XX						97US-065186P.
DT						97US-065311P.
XX						97US-066770P.
DT						98US-075945P.
XX						98US-078910P.
DT						98US-083322P.
XX						98US-084600P.
DT						98US-087106P.
XX						98US-087607P.
KW	Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;					98US-087609P.
KW	cardiac insufficiency disorder; cancer; tumour; immune response;					98US-087759P.
KW	adrenal cortical capillary endothelial growth; c-fos induction;					98US-087827P.
KW	vascular endothelial growth factor inhibition; VEGF inhibition;					98US-088021P.
KW	endothelial cell growth inhibitor; T-lymphocytes stimulation;					98US-088025P.
KW	retinal neurons cell survival; rod photoreceptor cell survival;					98US-088026P.
KW	retinal disorder; retinitis pigmentosum; kidney disorder;					98US-088028P.
KW	mammalian kidney mesangial cell proliferation; Berger disease;					98US-088029P.
KW	dermatitis; herpeticformis; Crohn's disease; chondrocyte proliferation;					98US-088030P.
KW	chondrocyte redifferentiation; sports injury; arthritis; gene; ds.					98US-088033P.
XX						98US-088328P.
OS	Homo sapiens.					98US-088167P.
XX						98US-088202P.
XX						98US-088212P.
XX						98US-088217P.
XX						98US-088655P.
XX						98US-088734P.
XX						98US-088738P.
XX						98US-088742P.
XX						98US-088810P.
XX						98US-088824P.
XX						98US-088826P.
XX						98US-088858P.
XX						98US-088861P.
XX						98US-088876P.
XX						98US-089105P.
XX						98US-089440P.
XX						98US-089512P.
XX						98US-089514P.
XX						98US-089532P.
XX						98US-089538P.
XX						98US-089598P.
XX						98US-089599P.
XX						98US-089600P.

Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
cardiac insufficiency disorder; cancer; tumour; immune response;
adrenal cortical capillary endothelial growth; c-fos induction;
vascular endothelial growth factor inhibition; VEGF inhibition;
endothelial cell growth inhibitor; T-lymphocytes stimulation;
retinal neurons cell survival; rod photoreceptor cell survival;
retinal disorder; retinitis pigmentosa; kidney disorder;
mammalian kidney mesangial cell proliferation; Berger disease;
dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
chondrocyte redifferentiation; sports injury; arthritis; gene; ds.

Novel human secreted or transmembrane protein PR0341 DNA.

Db	1261	AGCAGTCCCATTTCTCATCTTGTTGGCCCTCATGGAGAGTAACCTCATCATATATGC	1320	XX	
Qy	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTACTACCCCTGGTCCATGCT	1380	OS	Homo sapiens.
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTACTACCCCTGGTCCATGCT	1380	XX	US2003027162-A1.
Qy	1381	GCCTGATGTCATTGACGACTTCCATCTGAGACGCCCCACTTCCATGGAACCCGAGCCCAT	1440	PN	
Db	1381	GCCTGATGTCATTGACGACTTCCATCTGAGACGCCCCACTTCCATGGAACCCGAGCCCAT	1440	XX	06-FEB-2003.
Qy	1441	CTTCTCTCTCTCTATCTCTTTCACCAAGTTTGGCTCTGGAGTGCACCTGGGCATTTTC	1500	XX	15-NOV-2001; 2001US-0997428.
Db	1441	CTTCTCTCTCTCTATCTCTTTCACCAAGTTTGGCTCTGGAGTGCACCTGGGCATTTTC	1500	XX	
Qy	1501	TACCTCAGTCTGACGCTTTGCAGGGTACACAGACCCGTGGCTGCTCGCAGCCGGAAACCTGT	1560	PR	05-NOV-1997; 97WO-US20069.
Db	1501	TACCTCAGTCTGACGCTTTGCAGGGTACACAGACCCGTGGCTGCTCGCAGCCGGAAACCTGT	1560	PR	16-SEP-1998; 98WO-US19330.
Qy	1561	CAGTTTACACTGAACATGCTGFGACCATGGCTCCCATAGTTCTCATCTCTGCTGGGCCT	1620	PR	17-SEP-1998; 98WO-US19437.
Db	1561	CAGTTTACACTGAACATGCTGFGACCATGGCTCCCATAGTTCTCATCTCTGCTGGGCCT	1620	PR	07-OCT-1998; 98WO-US21141.
Qy	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGCAGATTAAGAGGCGCCT	1680	PR	01-DEC-1998; 98WO-US25106.
Db	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGCAGATTAAGAGGCGCCT	1680	PR	05-JAN-1999; 99WO-US05028.
Qy	1681	GCAGGCACTGAGGACGAGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT	1740	PR	08-MAR-1999; 99WO-US12252.
Db	1681	GCAGGCACTGAGGACGAGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT	1740	PR	15-SEP-1999; 99WO-US21090.
Qy	1741	GGCTAGCATCTCTAGGGCCCGCCAGCTTGGCCGAAAGCCACCATGCAAGAGCCACAGAA	1800	PR	15-SEP-1999; 99WO-US21547.
Db	1741	GGCTAGCATCTCTAGGGCCCGCCAGCTTGGCCGAAAGCCACCATGCAAGAGCCACAGAA	1800	PR	30-NOV-1999; 99WO-US28313.
Qy	1801	GGATCAGGACCTCTCTGCGGCTTGTCTGAGCAGCTGAGTGCAGAGTGCTAGGAAGGAA	1860	PR	01-DEC-1999; 99WO-US28634.
Db	1801	GGATCAGGACCTCTCTGCGGCTTGTCTGAGCAGCTGAGTGCAGAGTGCTAGGAAGGAA	1860	PR	16-DEC-1999; 99WO-US30095.
Qy	1861	CTGAAGACTCAAGAGGTGCCCCAGGACACTTGTGTGCTCAGTGTGGGCGCGCTGCTC	1920	PR	20-DEC-1999; 99WO-US30911.
Db	1861	CTGAAGACTCAAGAGGTGCCCCAGGACACTTGTGTGCTCAGTGTGGGCGCGCTGCTC	1920	PR	05-JAN-2000; 2000WO-US00219.
Qy	1921	TGTGGCCTCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980	PR	06-JAN-2000; 2000WO-US00376.
Db	1921	TGTGGCCTCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980	PR	11-FEB-2000; 2000WO-US03565.
Qy	1981	AATATGCAAGGACTGATCGGCTAGCCGGAACACTAATGTAGAAACCTTTTTTTTAC	2040	PR	18-FEB-2000; 2000WO-US04341.
Db	1981	AATATGCAAGGACTGATCGGCTAGCCGGAACACTAATGTAGAAACCTTTTTTTTAC	2040	PR	22-FEB-2000; 2000WO-US04414.
Qy	2041	AGAGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	2100	PR	24-FEB-2000; 2000WO-US04914.
Db	2041	AGAGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	2100	PR	24-FEB-2000; 2000WO-US05004.
Qy	2101	GTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	2142	PR	02-MAR-2000; 2000WO-US05841.
Db	2101	GTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	2142	PR	10-MAR-2000; 2000WO-US06319.
RESULT 5					
ABX80624					
ID	ABX80624 standard; cDNA; 2142 BP.				
XX					
AC	ABX80624;				
XX					
XX					
DT	22-APR-2003 (first entry)				
XX	Human secreted/transmembrane protein cDNA, #7.				
DE					
XX	Human; gene; ss; PRO; secreted; transmembrane; pharmaceutical;				
KW	diagnostic; biosensor; bioindicator; tumour; therapeutic;				
KW	gene therapy; tumour-associated antigenic target; TAT; ADEPT;				
KW	antibody-dependent enzyme mediated prodrug therapy; cytostatic.				

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PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088555P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
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PR 19-JUN-1998; 98US-089952P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090252P.
PR 22-JUN-1998; 98US-090254P.
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PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.
PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
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PR 24-JUN-1998; 98US-090540P.
PR 24-JUN-1998; 98US-090542P.
PR 25-JUN-1998; 98US-090557P.
PR 25-JUN-1998; 98US-090676P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 26-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 01-JUL-1998; 98US-091360P.
PR 01-JUL-1998; 98US-091544P.
PR 02-JUL-1998; 98US-091478P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091626P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091633P.
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AC ABX81007;

XX 22-APR-2003 (first entry)

DE Novel human secreted or transmembrane protein PRO341 DNA.

Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
cardiac insufficiency disorder; cancer; tumour; immune response;
adrenal cortical capillary endothelial growth; c-fos induction;
vascular endothelial growth factor inhibition; VEGF inhibition;
endothelial cell growth inhibitor; T-lymphocytes stimulation;
retinal neurons cell survival; rod photoreceptor cell survival;
retinal disorder; retinitis pigmentosa; kidney disorder;
mammalian kidney mesangial cell proliferation; Berger disease;
dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
chondrocyte redifferentiation; sports injury; arthritis; gene; ds.

OS Homo sapiens.

PN US2003027985-A1.

XX 06-FEB-2003.

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PF XX
14-NOV-2001; 2001US-0990562.
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PR 16-SEP-1998; 98WO-US19330.
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PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
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 Db 241 CCGGCCAGGTGAAGAAGAACCGAAAAAGAAACACAGTTGTCTGTTGCAACAAG 300

Qy 301 CTTTGTATGCACCTTGGGGAGCGCCCTACAGGTGACGGCTGTGCCCTGGGTTTCTTC 360
 Db 301 CTTTGTATGCACCTTGGGGAGCGCCCTACAGGTGACGGCTGTGCCCTGGGTTTCTTC 360

Qy 361 CTTGAGATCTACCTATTGGATGGCTCAGGTGGCGCGCTTTCTGTGCTCCATCATCTG 420
 Db 361 CTTGAGATCTACCTATTGGATGGCTCAGGTGGCGCGCTTTCTGTGCTCCATCATCTG 420

Qy 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGAGCCCCCTGGTGGCGCTCTGCATCAGAAA 480
 Db 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGAGCCCCCTGGTGGCGCTCTGCATCAGAAA 480

Qy 481 TCCCGCTGGACCTGCCTGGGTGCGCTTATGCCCTGGATCATCTTCTCAGCGCCCTGGCC 540
 Db 481 TCCCGCTGGACCTGCCTGGGTGCGCTTATGCCCTGGATCATCTTCTCAGCGCCCTGGCC 540

Qy 541 GTCAATGCGCTACTTCCCTCATCTGTTGTCGTCGCCGACTTCCACACAGCGCCAGACCTATTGG 600
 Db 541 GTCAATGCGCTACTTCCCTCATCTGTTGTCGTCGCCGACTTCCACACAGCGCCAGACCTATTGG 600

Qy 601 TACCTGCTTTTCTATTGCGCTCTTTGAAACAATGGTTCAGGTGTTTCCATGTTCCCTACTCG 660
 Db 601 TACCTGCTTTTCTATTGCGCTCTTTGAAACAATGGTTCAGGTGTTTCCATGTTCCCTACTCG 660

PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23528.
PR 08-NOV-2000; 2000WO-US30952.
PR 21-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-066770P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 02-JUN-1998; 98US-087759P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 05-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 28-AUG-2001; 2001US-0941992.

(GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX WPI; 2003-155950/15.
DR P-PSDB; ABUS8904.
XX New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,
PT PRO361 or PRO846) useful as targets for therapeutic intervention in
PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers
PT
XX
PS
XX
PS
XX
CC The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful as pharmaceuticals, diagnostics,
CC biosensors or bioreactors, for detecting or treating e.g. tumours in
CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, pigs, goats or
CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
CC colon, lung or breast cancers) and diagnostic determination of the
CC presence of these cancers. The PRO polypeptides are also useful as
CC molecular weight markers or for chromosome identification. The PRO genes
CC are useful as hybridisation probes or for screening libraries of human
CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
CC therapy, particularly for replacing a defective gene. The sequences
CC presented in ABX79290-ABX79675 are the genes encoding, the primers
CC amplifying and the probes detecting the PRO polynucleotides of the
CC invention.
CC Note: The sequence data for this patent is also available in electronic
CC format from USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;

Query Match 100.0%; Score 2142; DB 25; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CGGACGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGCTTGGCTAGCGCGCGGG 60
Db 1 CGGACGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGCTTGGCTAGCGCGCGGG 60
Qy 61 CCCTGGCTAAGGCTGTCTACGAAGCGAGCTTTGGGAGGAGCAGCGCGCTTGGCGGAGGAGGA 120
Db 61 CCCTGGCTAAGGCTGTCTACGAAGCGAGCTTTGGGAGGAGCAGCGCGCTTGGCGGAGGAGGA 120
Qy 121 GCATCCCGTCTACCAAGTCCCAAGCGCGCTGGCGGCGCGCTTGGCGGCGCGCTTGGCGGAGGAGGC 180
Db 121 GCATCCCGTCTACCAAGTCCCAAGCGCGCTGGCGGCGCGCTTGGCGGCGCGCTTGGCGGAGGAGGC 180
Qy 181 GCCGAGAGCGGCTCCGCGCGGGGCTGTCTACCCACAGCATCTCCCAAGACACTGAACGC 240
Db 181 GCCGAGAGCGGCTCCGCGCGGGGCTGTCTACCCACAGCATCTCCCAAGACACTGAACGC 240
Qy 241 CCGGCCCGAGTGAAGAAAGAACCCGAAAGAAAGAAACAAACAGTTGTCTGTGTTCGCAACAAG 300
Db 241 CCGGCCCGAGTGAAGAAAGAACCCGAAAGAAAGAAACAAACAGTTGTCTGTGTTCGCAACAAG 300
Qy 301 CTTTGCTATGCACCTTGGGGAGCCCCCTACCAAGTACGCGGCTGTGCCCTGGGTTTCTTC 360
Db 301 CTTTGCTATGCACCTTGGGGAGCCCCCTACCAAGTACGCGGCTGTGCCCTGGGTTTCTTC 360
Qy 361 CTTCAGATCTACCTATTGGGATGTGGCTCAGGTGGGCGCTTCTCTGTGCTCATCATCTG 420
Db 361 CTTCAGATCTACCTATTGGGATGTGGCTCAGGTGGGCGCTTCTCTGTGCTCATCATCTG 420

QY	421	TTTTGGGCCGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCCCTCTGCATCAGCAA	480
Db	421	TTTTGGGCCGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCCCTCTGCATCAGCAA	480
QY	481	TCCCCCTGGACCTGCCCTGGGTGCCTTATGCCCTGGATCATCTCTCCAGGCCCTGGCC	540
Db	481	TCCCCCTGGACCTGCCCTGGGTGCCTTATGCCCTGGATCATCTCTCTCCAGGCCCTGGCC	540
QY	541	GTCATTGCCCTACTTCCCTCATCTGGTTCGTCGCCGACTTCCACACGCCAGACCTATTGG	600
Db	541	GTCATTGCCCTACTTCCCTCATCTGGTTCGTCGCCGACTTCCACACGCCAGACCTATTGG	600
QY	601	TACCTGCTTTTCTATTGCCCTTTTGAACAATGGTCACGTGTTTCATGTTCCCTACTCG	660
Db	601	TACCTGCTTTTCTATTGCCCTTTTGAACAATGGTCACGTGTTTCATGTTCCCTACTCG	660
QY	661	GCTCTCACCATTGTCATCAGCAACCGAGCAGCTGAGCGGGATTCTGCCACCGCCTATCG	720
Db	661	GCTCTCACCATTGTCATCAGCAACCGAGCAGCTGAGCGGGATTCTGCCACCGCCTATCG	720
QY	721	GATGACTGTGGAAGTCTGGGCACAGTCTGGGCACGGCGATCCAGGGACAAATCGTGG	780
Db	721	GATGACTGTGGAAGTCTGGGCACAGTCTGGGCACGGCGATCCAGGGACAAATCGTGG	780
QY	781	CCAAGCAGACACGCCCTGTTTCCAGGACTTCAATAGTCTACAGTAGCTTCAACAAGTGC	840
Db	781	CCAAGCAGACACGCCCTGTTTCCAGGACTTCAATAGTCTACAGTAGCTTCAACAAGTGC	840
QY	841	CAACCATACACATGGCACCACTTCACAGGGAAACGCAAGGATACCTGCTGGCAGC	900
Db	841	CAACCATACACATGGCACCACTTCACAGGGAAACGCAAGGATACCTGCTGGCAGC	900
QY	901	GGGGTCAITGTCTGTATCTATATATCTGTCTCTCATCTGATCCTGGCGTGGCGGA	960
Db	901	GGGGTCAITGTCTGTATCTATATCTGTCTCTCATCTGATCCTGGCGTGGCGGA	960
QY	961	GCAGAGAAACCCATGTAAGCCCGACGTCTGAGCCAAATCGCTACTTCCGGGGCCCTACG	1020
Db	961	GCAGAGAAACCCATGTAAGCCCGACGTCTGAGCCAAATCGCTACTTCCGGGGCCCTACG	1020
QY	1021	GCTGTCATGAGCCACGGCCCATACATCAAACTTATTTACTTGGCTTCCTCTTACCTCCTT	1080
Db	1021	GCTGTCATGAGCCACGGCCCATACATCAAACTTATTTACTTGGCTTCCTCTTACCTCCTT	1080
QY	1081	GGCTTTCATGCTGGTGGAGGGAACTTTGCTCTTTTGGACCTACACCTTGGGCTTCGG	1140
Db	1081	GGCTTTCATGCTGGTGGAGGGAACTTTGCTCTTTTGGACCTACACCTTGGGCTTCGG	1140
QY	1141	CAATGAATCCAGAACTTACCTCGCCATCATGCTCTCGGCCACTTTAACCAATTCCTCAT	1200
Db	1141	CAATGAATCCAGAACTTACCTCGCCATCATGCTCTCGGCCACTTTAACCAATTCCTCAT	1200
QY	1201	CTGGCAGTGGTCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATCTTGGGATCTCATC	1260
Db	1201	CTGGCAGTGGTCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATCTTGGGATCTCATC	1260
QY	1261	AGCAGTGCATTTCTCATCTTGGGGCCCTCATGAGAGTAACCTCATCATTACATATGC	1320
Db	1261	AGCAGTGCATTTCTCATCTTGGGGCCCTCATGAGAGTAACCTCATCATTACATATGC	1320
QY	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCTGGTCCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCTGGTCCATGCT	1380
QY	1381	GCTTGATGTCATTTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCGCCCAT	1440
Db	1381	GCTTGATGTCATTTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCGCCCAT	1440
QY	1441	CTTCTTCTCTTCTATGTCTTCTTACCACCAAGTTTGCTCTGGAGTGTCTACCTGGGATTC	1500
Db	1441	CTTCTTCTCTTCTATGTCTTCTTACCACCAAGTTTGCTCTGGAGTGTCTACCTGGGATTC	1500
QY	1501	TACCCCTCAGTCTGGACTTTGGAGGTACAGACCCGTGGCTGCTCGCAGCCGGAACGTGT	1560


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XX PN US2002123463-A1.
XX XX 05-SEP-2002.
XX PD
XX PF
XX XX 19-NOV-2001; 2001US-0989732.
XX XX 05-NOV-1997; 97WO-US20069.
XX PR 16-SEP-1998; 98WO-US19330.
XX PR 17-SEP-1998; 98WO-US19437.
XX PR 07-OCT-1998; 98WO-US21141.
XX PR 08-DEC-1998; 98WO-US25108.
XX PR 05-JAN-1999; 99WO-US00106.
XX PR 08-MAR-1999; 99WO-US05028.
XX PR 02-JUN-1999; 99WO-US12252.
XX PR 15-SEP-1999; 99WO-US21090.
XX PR 15-SEP-1999; 99WO-US21547.
XX PR 30-NOV-1999; 99WO-US28313.
XX PR 01-DEC-1999; 99WO-US28301.
XX PR 01-DEC-1999; 99WO-US28634.
XX PR 16-DEC-1999; 99WO-US30095.
XX PR 20-DEC-1999; 99WO-US30911.
XX PR 06-JAN-2000; 2000WO-US00219.
XX PR 06-JAN-2000; 2000WO-US00376.
XX PR 11-FEB-2000; 2000WO-US03565.
XX PR 18-FEB-2000; 2000WO-US04341.
XX PR 22-FEB-2000; 2000WO-US04414.
XX PR 24-FEB-2000; 2000WO-US04914.
XX PR 24-FEB-2000; 2000WO-US05004.
XX PR 02-MAR-2000; 2000WO-US05841.
XX PR 10-MAR-2000; 2000WO-US06319.
XX PR 15-MAR-2000; 2000WO-US06884.
XX PR 20-MAR-2000; 2000WO-US07377.
XX PR 30-MAR-2000; 2000WO-US08439.
XX PR 15-MAY-2000; 2000WO-US13358.
XX PR 17-MAY-2000; 2000WO-US13705.
XX PR 22-MAY-2000; 2000WO-US14042.
XX PR 30-MAY-2000; 2000WO-US15491.
XX PR 02-JUN-2000; 2000WO-US15264.
XX PR 28-JUL-2000; 2000WO-US20710.
XX PR 11-AUG-2000; 2000WO-US22031.
XX PR 23-AUG-2000; 2000WO-US23522.
XX PR 24-AUG-2000; 2000WO-US23328.
XX PR 08-NOV-2000; 2000WO-US30952.
XX PR 01-DEC-2000; 2000WO-US32678.
XX PR 28-FEB-2001; 2001WO-US06520.
XX PR 01-JUN-2001; 2001WO-US17800.
XX PR 20-JUN-2001; 2001WO-US19692.
XX PR 29-JUN-2001; 2001WO-US21066.
XX PR 09-JUL-2001; 2001WO-US21735.
XX PR 16-JUN-1997; 97US-049787P.
XX PR 17-OCT-1997; 97US-062250P.
XX PR 12-NOV-1997; 97US-065186P.
XX PR 13-NOV-1997; 97US-065311P.
XX PR 24-NOV-1997; 97US-066770P.
XX PR 25-FEB-1998; 98US-075945P.
XX PR 20-MAR-1998; 98US-078910P.
XX PR 28-APR-1998; 98US-083322P.
XX PR 07-MAY-1998; 98US-084600P.
XX PR 28-MAY-1998; 98US-087106P.
XX PR 02-JUN-1998; 98US-087607P.
XX PR 02-JUN-1998; 98US-087609P.
XX PR 02-JUN-1998; 98US-087759P.
XX PR 03-JUN-1998; 98US-087827P.
XX PR 04-JUN-1998; 98US-088021P.
XX PR 04-JUN-1998; 98US-088025P.
XX PR 04-JUN-1998; 98US-088026P.
XX PR 04-JUN-1998; 98US-088028P.
XX PR 04-JUN-1998; 98US-088029P.
XX PR 04-JUN-1998; 98US-088030P.
XX PR 04-JUN-1998; 98US-088033P.
XX PR 05-JUN-1998; 98US-088167P.
XX PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
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PR 11-JUN-1998; 98US-088856P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-088876P.
PR 16-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089588P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 28-AUG-2001; 2001US-0941992.
XX XX
PA (GETH ) GENENTECH INC.
XX XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Klijavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX XX
DR WPI; 2003-066810/06.
DR P-PSDE; ABU10819.
XX XX
XX Novel secreted and transmembrane polypeptide for modulating biological
XX activity of cell expressing the polypeptide, identifying agonists or
XX antagonists of polypeptide, and as molecular weight markers -
XX PS Claim 2; Fig 11; 655pp; English.
XX XX
XX The invention relates to a secreted and transmembrane polypeptide, termed
XX PRO polypeptide, and the polynucleotide encoding it. The polypeptide is
XX useful for detecting PRO polypeptides and for linking a bioactive
XX molecule to a cell expressing the above polypeptides, where the bioactive
XX molecule is a toxin, radiolabel or an antibody. The bioactive material
XX causes the death of the cell. The polypeptide is useful for identifying
XX agonists or antagonists of the PRO polypeptide, for preparing variants of
XX PRO, as a molecular weight marker for protein electrophoresis purposes
XX and the PRO polynucleotide is useful for recombinantly expressing those
XX markers. The polynucleotide is also useful as a hybridisation probe, in
XX chromosome and gene mapping, in generation of antisense RNA and DNA, in
XX the preparation of PRO polypeptide, for generating transgenic animals or
XX knockout animals which in turn are useful in the development and
XX screening of therapeutically useful reagents, to construct hybridisation
XX probes for mapping the gene which encodes PRO and for the genetic
XX analysis of individuals with genetic disorders, in gene therapy, for
XX chromosome identification, as a chromosome marker and for generating
XX probes for PCR, Northern analysis, Southern analysis and Western
XX analysis. This sequence represents a human PRO polynucleotide of the
XX invention.
XX XX
SQ Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;
Query Match 100.0%; Score 2142; DB 25; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCTTGGCTAGCGGCGGCGG 60
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Db	1	CGGACGCTGGCGGACCGCTGGGCGGACGCGTGGGGCCGGCTTGGCTAGCGCGGCGG	60
QY	61	CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGCCCTGGCGGCAGAGGA	120
Db	61	CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGCCCTGGCGGCAGAGGA	120
QY	121	GCATCCCTCTACCAAGTCCCAAGCGGCTGGCCCGCGGGTTCATGTGGCCAAAGAGAGGC	180
Db	121	GCATCCCTCTACCAAGTCCCAAGCGGCTGGCCCGCGGGTTCATGTGGCCAAAGAGAGGC	180
QY	181	GCCGAGACGGCTCGCGGGCGGCTGCTACCCACAGCATCTCCAAAGCACTGAACGC	240
Db	181	GCCGAGACGGCTCGCGGGCGGCTGCTACCCACAGCATCTCCAAAGCACTGAACGC	240
QY	241	CGGGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAACACAGTTGTCTGTTTGCACAAG	300
Db	241	CGGGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAACACAGTTGTCTGTTTGCACAAG	300
QY	301	CTTTGCTATGACCTTGGGGAGCCCCCTACCAAGTGACGGGCTGCGCCTGGGTTCTTTC	360
Db	301	CTTTGCTATGACCTTGGGGAGCCCCCTACCAAGTGACGGGCTGCGCCTGGGTTCTTTC	360
QY	361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCCG	420
Db	361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCCG	420
QY	421	TTTCTGGGCGAGCTGGGATGCCATCAGACAGCCCTGGTGGGCTCTGCTATCAGCAAA	480
Db	421	TTTCTGGGCGAGCTGGGATGCCATCAGACAGCCCTGGTGGGCTCTGCTATCAGCAAA	480
QY	481	TCCCCCTGGACCTGGCTGGCTGCTTATGCCCTGGATCATCTTCCACGCGCCCTGGGC	540
Db	481	TCCCCCTGGACCTGGCTGGCTGCTTATGCCCTGGATCATCTTCCACGCGCCCTGGGC	540
QY	541	GTCATTGCCCTACTTCCCTCATCTGGTGGTGGCCGACTCCCAAGCGGCAGACCTATTGG	600
Db	541	GTCATTGCCCTACTTCCCTCATCTGGTGGTGGCCGACTCCCAAGCGGCAGACCTATTGG	600
QY	601	TACCTGCTTTCTATTGCCCTTTTGAACAATGGTCACCTGTTCCATGTTCCCTACTCG	660
Db	601	TACCTGCTTTCTATTGCCCTTTTGAACAATGGTCACCTGTTCCATGTTCCCTACTCG	660
QY	661	GCTCTACCAATGTTATCAGCAACCGAGCAGACTGAGCGGATTTCTGCCACGCCATCG	720
Db	661	GCTCTACCAATGTTATCAGCAACCGAGCAGACTGAGCGGATTTCTGCCACGCCATCG	720
QY	721	GATGACTGTGGAAGTCTGGGACAGTCTGGGACGGCGATTCAGGACAAATCGTGG	780
Db	721	GATGACTGTGGAAGTCTGGGACAGTCTGGGACGGCGATTCAGGACAAATCGTGG	780
QY	781	CCAAGCAGACACGCCCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC	840
Db	781	CCAAGCAGACACGCCCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC	840
QY	841	CAACCATACATAGGCACACATTCACAGAGGAACGCAAAAGGCATACCTGCTGGCAGC	900
Db	841	CAACCATACATAGGCACACATTCACAGAGGAACGCAAAAGGCATACCTGCTGGCAGC	900
QY	901	GGGGTCAATGTCTATCTATATAATCTGTCTCATCTCTGATCTGCTGGCGTGGGGA	960
Db	901	GGGGTCAATGTCTATCTATATAATCTGTCTCATCTCTGATCTGCTGGCGTGGGGA	960
QY	961	GCAGAGAGAACCTATGAAGCCAGCTCTGAGCCATCGCCTACTTCCGGGCGCTACG	1020
Db	961	GCAGAGAGAACCTATGAAGCCAGCTCTGAGCCATCGCCTACTTCCGGGCGCTACG	1020
QY	1021	GCTGGTATGAGCCAGCGCCCATACATAAACTTATTACTGGCTTCTCTTCACTCCTT	1080
Db	1021	GCTGGTATGAGCCAGCGCCCATACATAAACTTATTACTGGCTTCTCTTCACTCCTT	1080
QY	1081	GGCTTTCATGCTGGGAGGGAATTTGCTGTGTTTGCACCTTACACCTTGGGCTTCCG	1140
Db	1081	GGCTTTCATGCTGGGAGGGAATTTGCTGTGTTTGCACCTTACACCTTGGGCTTCCG	1140

ABL90743 standard; cDNA; 2166 BP.
ABL90743;
24-MAY-2002 (first entry)
Human polynucleotide SEQ ID NO 1305.
Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
anti-allergic; hepatotropic; antidiabetic; anti-inflammatory; anti-ulcer;
vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
neurological disease; infection; human; secreted protein; gene; ss.
Homo sapiens.
WO200190304-A2.
29-NOV-2001.
18-MAY-2001; 2001WO-US16450.
19-MAY-2000; 2000US-205515P.
(HUMA-) HUMAN GENOME SCI INC.
Birser CE, Rosen CA;
WPI: 2002-122018/16.
P-PSDB; ABB90334.
Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders -
Claim 4; SEQ ID NO 1305; 2081pp + Sequence Listing; English.
The invention relates to novel genes (ABL9449-ABL90853) and proteins (ABB9040-ABB9044) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant)agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemia; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases such as viral, bacterial, fungal and parasitic infections.
CC Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
Sequence 2166 BP; 464 A; 625 C; 569 G; 505 T; 3 other;
Query Match 98.0%; Score 2099.4; DB 24; Length 2166;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2111; Conservative 2; Mismatches 3; Indels 1; Gaps 1;
26 GGACCGTGGGCGGCTGGCTAGCGCGCGGCGGCTGAAGCTGCTACGAAGCG 85
14 GGACCGTGGGCGGCTGGCTAGCGCGGCGGCTGAAGCTGCTACGAAGCG 73
86 AGCTTGGGAGGACGCGGCTCGCGGGGAGAGAGCATCCGCTACACAGTCCCAAGC 145
74 AGCTTGGGAGGACGCGGCTCGCGGGGAGAGAGCATCCGCTACACAGTCCCAAGC 133
146 GCGTGGCGCGGCTGATGGCCAAAGAGAGGCGCGGAGAGCGCTCCGCGCGGGGC 205

134 GCGTGGCGCGGCTCATGGCCAAAGAGAGCGCGGCTCCGCGCGGGGC 193
206 TGCTACCCACACGATCCTCCAAAGCACCTGAAGCCCGCGGCCAGGAACCGA 265
194 TGCTACCCACGATCCTCCAAAGCACCTGAAGCCCGCGGCCAGGAACCGA 253
266 AAAAGAAGAAACACAGTGTCTGTTTGAACAAGCTTTCTATGACATTTGGGGAGGCC 325
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326 CCTACAGAGTGAGGGCTGTGCGCTGGTTCCTTCCATGATCTACCTATTTGATGTGG 385
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374 CTCAGGTGGGCGCTTCTCTGCTCCATCATCTCTGTTTGGGCGGAGCTGGATGCCA 433
446 TCACAGACCCCTGGTGGGCTCTGATCATGAAATCCCTCCCTGGAGCTGCTGGTGGCC 505
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626 AAACAATGTCACGTGTTTCCATGTTTCCCTACTGCGCTCTCACCATGTTTCTATGAC 685
614 AAACAATGTCACGTGTTTCCATGTTTCCCTACTGCGCTCTCACCATGTTTCTATGAC 672
686 GAGCAGACTGAGCGGGATTTCTGCCACGCCCTATCGGATGACTGTGGAGTGTGGGACA 745
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866 CACAGGAAACGAAAGGATACCTGCTGGGCGGCGGCTGCTGCTATCTATATA 925
853 CACAGGAAACGAAAGGATACCTGCTGGGCGGCGGCTGCTGCTATCTATATA 912
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1226 GGCAGAGAGACGCTGATATATGTTGGATCTCATCAGCTGCCATTTCTCATCTTGGTG 1285
1213 GGCAGAGAGACGCTGATATATGTTGGATCTCATCAGCTGCCATTTCTCATCTTGGTG 1272

RESULT 13	
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ID	AAK94529 standard; cDNA; 2122 BP.
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XX	AAK94529;
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DT	06-NOV-2001 (first entry)
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DE	Human full-length cDNA, SEQ ID NO: 3404.
XX	
XX	
KW	Human; full length cDNA; cDNA synthesis; oligo-capping; ss.

[illegible]

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Db 1942 CCAAGCCCTGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGCTAGCCCGGAACA 2001
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QY 2137 G 2137
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Db 2122 G 2122
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RESULT 14
AAZ52455
ID AAZ52455 standard; DNA; 2133 BP.
XX AAZ52455;
AC AAZ52455;
DX 24-FEB-2000 (first entry)
XX
XX HTRM clone 156986 DNA sequence.
DE
XX HTRM; human transcriptional regulatory molecule; arteriosclerosis; AIDS;
KW arteriosclerosis; cirrhosis; cancer; leukaemia; diabetes mellitus; ss;
KW Addison's disease; multiple sclerosis; rheumatoid arthritis; infection;
KW trauma; myasthenia gravis; adenocarcinoma; immune disorder; treatment.
XX
OS Homo sapiens.
XX
PN WO9957144-A2.
XX
PD 11-NOV-1999.
XX
PF 04-MAY-1999; 99WO-US099935.
XX
PR 05-MAY-1998; 98US-0084254.
PR 07-AUG-1998; 98US-0095827.
PR 02-OCT-1998; 98US-0102745.
XX
PA (INCY-) INCYTE PHARM INC.
XX

PI Hillman JL, Bandman O, Lal P, Yue H, Reddy R, Tang YT;
 PI Gerstin EH, Patterson C, Baughn MR, Azimzai Y, Lu DAM;
 XX P-PSDB; AAY73370.
 DR WPI; 2000-052941/04.
 XX New peptides useful for diagnosis, prevention and treatment of cancer
 XX and immune disorders -
 PS Claim 9; Page 178; 193pp; English.
 XX AA252410-252474 are human transcriptional regulator molecule (HTRM)
 CC nucleotide sequences. The HTRM protein and nucleotide sequences are
 CC useful for preventing or treating disorders associated with decreased
 CC expression or activity of HTRM which include cell proliferative
 CC disorders such as arteriosclerosis and cirrhosis; cancers including
 CC adenocarcinoma and leukemia; immune disorders such as AIDS, Addison's
 CC disease, diabetes mellitus, rheumatoid arthritis, multiple sclerosis,
 CC systemic lupus erythematosus, and myasthenia gravis; infections and
 CC trauma. Antagonists of the HTRM polypeptides are useful for treating or
 CC preventing disorders associated with increased expression or activity of
 CC HTRMs. HTRM polypeptides, their immunogenic fragments or oligopeptides
 CC are useful for screening libraries of compounds in drug screening.
 CC techniques. Polynucleotides encoding HTRM are useful for blocking the
 CC transcription of mRNA and regulating gene function by modulating the
 CC activity of HTRM. Vectors expressing HTRM or agonists can also be used to
 CC prevent or treat disorder associated with decreased HTRM expression.
 CC Antibodies which specifically bind HTRM and polynucleotides encoding HTRM
 CC are useful for diagnosing disorders associated with the expression of
 CC HTRM, particularly in assays that detect the expression of HTRM.
 CC Nucleotide sequences encoding HTRM may be useful to generate
 CC hybridization probes useful in mapping the naturally occurring genomic
 CC sequence and to detect differences in gene sequences among normal,
 CC carrier and affected individuals. Using diagnostic assays, cancer can be
 CC detected prior to the appearance of clinical symptoms and thereby
 CC progression of cancer can be prevented by aggressive treatment or
 CC preventive measures.
 XX
 SQ Sequence 2133 BP; 447 A; 622 C; 560 G; 504 T; 0 other;

Query Match 97.1%; Score 2079.8; DB 21; Length 2133;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 2103; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

QY 37 GCGCGCTTGGTAGCGCGCGCGCGCGGTGAGTGGCTTACGAAGCGAGCTTGGGAGG 96
 DB 16 GCGCGCTTGGTAGCGCGCGCGCGCGGTGAGTGGCTTACGAAGCGAGCTTGGGAGG 75
 QY 97 AGCAGCGGCTCGCGGCGCAGAGGAGCATCCGCTCTACAGCTCCCAAGCGCGCGTGGCCCG 156
 DB 76 AGCAGCGGCTCGCGGCGCAGAGGAGCATCCGCTCTACAGCTCCCAAGCGCGCGTGGCCCG 135
 QY 157 CGGGTCATGGCCAAAGGAGAGGCGCGCGAGCGGCTCCGCGCGGCGGCTGTACCCACC 216
 DB 136 CGGGTCATGGCCAAAGGAGAGGCGCGCGAGCGGCTCCGCGCGGCGGCTGTACCCACC 195
 QY 217 AGCATCTCTCAAAGCACTGAACGCCGCCCGCAGGTGAAGAAGAACCGAAAAAGAGAAA 276
 DB 196 AGCATCTCTCAAAGCACTGAACGCCGCCCGCAGGTGAAGAAGAACCGAAAAAGAGAAA 255
 QY 277 CAACAGTTGTCTGTTTGGCAACAGCTTGTATGCACTTGGGGAGCGCCCTACCAAGTG 336
 DB 256 CAACAGTTGTCTGTTTGGCAACAGCTTGTATGCACTTGGGGAGCGCCCTACCAAGTG 315
 QY 337 ACGGGCTGTGCGCGTGGGTTTCTTCATCATCTACTATTTGATGTGGCTCAGGTGGGC 396
 DB 316 ACGGGCTGTGCGCGTGGGTTTCTTCATCATCTACTATTTGATGTGGCTCAGGTGGGC 375
 QY 397 CTTTCTCTGCTCCATCATCTGTTTGTGGCGGAGCGTGGATGCCATCATACACCCC 456
 DB 376 CTTTCTCTGCTCCATCATCTGTTTGTGGCGGAGCGTGGATGCCATCATACACCCC 435
 QY 457 CTGGTGGGCGCTCTGCATCAGCAATCCCGCTGGACCTGCTGGGTGCGCTTATGCCCTGG 516

DB 436 CTGGTGGGCGCTCTGCATCAGCAATCCCGCTGGACCTGCTGGGTGCGCTTATGCGCCCTGG 495
 QY 517 ATCATCTTCTCAGCGCCCTGGCCGCTCAATGCTTACTTCCCTCATCTGGTTCGTGCCGAC 576
 DB 496 ATCATCTTCTCAGCGCCCTGGCCGCTCAATGCTTACTTCCCTCATCTGGTTCGTGCCGAC 555
 QY 577 TTCCACACAGCGGCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAAACAATGGTC 636
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 QY 697 GCGGATTTCTGCCACCGCTATCGGATGACTGTGGAAGTGTGGGCACAGTGTGGGCAC 756
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 DB 1335 CTCTTACTACCTCGTCCATGCTGCTGATGTGTCATTGACGACTTCCATCTGAAGCAGCC 1394
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 DB 1395 CCATCTCCATGGAACCGAGCCCATCTTCTCTCTTCTTCTTCTTCCACCAAGTTGC 1454
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Db	790	GCTCTACGTAGTCTTACAAAGTGCACAACTACACATGCGACACACTTCACACAGGGAAA	849
QY	876	CGCAAAAGCATACCTGCTGGCAGCGGGGTCATTGTCTATCTATATAATCTGTGCTG	935
Db	850	CGCAAAAGCATACCTGCTGGCAGCGGGGTCATTGTCTATCTATATAATCTGTGCTG	909
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QY	1056	TTACTGGCTTCTCTTCACTCCCTGGCTTTCATGCTGGTGGAGGGAACTTTGTCTGT	1115
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Job time : 602 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 12:11:10 ; Search time 4548 Seconds
(without alignments)
11446.831 Million cell updates/sec

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Perfect score: 2142
Sequence: 1 cggacgctggcgacgagc.....ttcataaaagctggaagc 2142

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 22781392 seqs, 12152238056 residues
Total number of hits satisfying chosen parameters: 45562784

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries.

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- 2: em_esthum.*
- 3: em_estin.*
- 4: em_estmu.*
- 5: em_estov.*
- 6: em_estpl.*
- 7: em_estro.*
- 8: em_hic.*
- 9: gb_est1.*
- 10: gb_est2.*
- 11: gb_hic.*
- 12: gb_est3.*
- 13: gb_est4.*
- 14: gb_est5.*
- 15: em_estfun.*
- 16: em_estom.*
- 17: em_gss_hum.*
- 18: em_gss_inv.*
- 19: em_gss_pln.*
- 20: em_gss_vrt.*
- 21: em_gss_fun.*
- 22: em_gss_man.*
- 23: em_gss_mus.*
- 24: em_gss_pro.*
- 25: em_gss_rod.*
- 26: em_gss_phg.*
- 27: em_gss_vrl.*
- 28: gb_gss1.*
- 29: gb_gss2.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2079.8	97.1	2160	11	AF289609
2	1338.6	62.5	2145	11	AK006096
3	1060	49.5	1201	9	AL572488
4	1046.6	48.9	1112	9	AL547686

5	982.2	45.9	1201	9	AL514028
6	972.2	45.4	1201	9	AL576274
7	971	45.3	1126	9	AL547662
8	969.2	45.2	1021	12	BM554312
9	962.4	44.9	1201	9	AL572843
10	955	44.6	1120	9	AL574077
11	950	44.4	1201	9	AL541052
12	947.8	44.2	1201	9	AL570518
13	942	44.0	1201	9	AL553213
14	928.8	43.4	1201	9	AL548198
15	901	42.1	1201	9	AL547602
16	889.4	41.5	1201	9	AL568709
17	888.4	41.5	997	9	AL543601
18	882	41.2	996	9	AL570036
19	877.8	41.0	1143	9	AL550104
20	874.6	40.8	1201	9	AL514027
21	801	37.4	897	12	BI765638
22	797.6	37.2	904	12	BG828731
23	789.6	36.9	910	13	BQ642553
24	777.2	36.3	1090	13	BQ068006
25	767.4	35.8	1201	9	AL544367
26	765.6	35.7	912	13	BX464860
27	749.8	35.0	791	9	AL576123
28	733.2	34.2	850	10	BG624011
29	730.6	34.1	819	12	BI914535
30	717.8	33.5	758	10	BG724395
31	711.2	33.2	813	14	CB996516
32	710	33.1	945	12	BI560668
33	704.2	32.9	804	12	BI461595
34	700	32.7	700	12	BM763764
35	697.4	32.6	1048	12	BM921411
36	684	31.9	779	9	AL553013
37	682.8	31.9	705	12	BI520464
38	678.2	31.7	695	12	BI227367
39	676	31.6	836	12	BI560582
40	672.6	31.4	731	12	BI666553
41	669.2	31.2	696	12	BM974754
42	665	31.0	812	12	BI913664
43	663.8	31.0	695	12	BI917839
44	658	30.7	689	14	CB155410
45	653	30.5	714	12	BI461105

ALIGNMENTS

RESULT 1	AF289609	Homo sapiens clone pp9177 unknown mRNA.	2160 bp	mRNA	linear	HTC 01-JAN-2002
LOCUS	AF289609					
DEFINITION	AF289609					
ACCESSION	AF289609					
VERSION	AF289609.1	GI:18027421				
KEYWORDS	HTC.					
SOURCE	Homo sapiens (human)					
ORGANISM	Homo sapiens					
REFERENCE	1 (bases 1 to 2160)					
AUTHORS	Zhou,X.M., Zhang,P.P., Jiang,H.Q., Huang,Y., Qin,W.X., Zhao,X.T., Wan,D.F. and Gu,J.R.					
TITLE	Novel human cDNA clones with function of inhibiting cancer cell growth					
JOURNAL	Unpublished					
REFERENCE	2 (bases 1 to 2160)					
AUTHORS	Zhou,X.M., Zhang,P.P., Jiang,H.Q., Huang,Y., Qin,W.X., Zhao,X.T., Wan,D.F. and Gu,J.R.					
TITLE	Direct Submission					
JOURNAL	Submitted (17-JUL-2000) National Laboratory For Oncogenes & Related Genes, Shanghai Cancer Institute, 25/Ln 2200 Xie-Tu Road, Shanghai 200032, P. R. China					
FEATURES	Location/Qualifiers					
source	1. .2160					
	/organism="Homo sapiens"					


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Qy 1904 TGTGGGCGGCTGCTGTGTGGCTTCCGCAATGAATTCAGAAATCTACTCTGCTGCCATCATGC 1175
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Db 1919 TGCAAGGCTGACCGCTGTGTCACTCT-----CACTGGCTGCCACTGGGCCAAGCC 951

Qy 1964 CTGGGGCTGCACGTGTGAATATGCAAGGACTGATCGGGCTAGCCGGGAACACTAATGT 2023
  ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1972 TTAGGGCTGTACTGTGAAAATGCAAGGACTGACTGGGCTAGCTCGGAACACTAATGT 2031

Qy 2024 AGAAACCTTTTTCAGAGCCCTAATTAACCTTAATGACTGTGTACATAGCAATGTG 2083
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Db 2032 AGAANC--GTTTATACAGAGACTAATTAACCTTAATGACTGTGTATATAGTGA--TG 2087

Qy 2084 TGTGTATGTATGTCTGTGAGCTATTAAATGTTTATTAATTTTCAATAAAGCTGAAA 2140
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Db 2088 TGTGTATGTATGTCTGTATGAGGTATTAAATGTTTATTAATTTTCAATAAAGCTGAAA 2144

RESULT 3
AL572488/c 1201 bp mRNA linear EST 31-MAY-2003
LOCUS
DEFINITION AL572488 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CSODI008YG24 3-PRIME, mRNA sequence.
ACCESSION AL572488
VERSION AL572488.2 GI:31293866
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1201)
AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
COMMENT On Feb 16, 2001 this sequence version replaced gi:12930806.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODI008BD12NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CSODI008BD12NP1.
FEATURES
Location/Qualifiers
1..1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSODI008YG24"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT 296 a 296 c 332 g 247 t 30 others
ORIGIN
Query Match 49.5% Score 1060; DB 9; Length 1201;
Best Local Similarity 97.8%; Pred. No. 1.7e-261;
Matches 1092; Conservative 6; Mismatches 15; Indels 4; Gaps 3;

Qy 996 CAATCGCCTACTCCGGGGCTACGGCTGTGTCATGACGCCAGCCCATACATAAACA 1055
  ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1127 CAATCSCTATYTTCCCGGGC--TACGGCTGTGTCATGACGCCAGCGGCCCATACATAA 1070

Qy 1056 TTACTGGCTTCCTCTTCACTCCCTGGCTTTTCATGCTGGTGGAGGGGAACCTTCTCTGT 1115
  ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1069 TWACTGGC-TCCTCTTCACTCCCTTGGCTTTTCATGCTGGTGGAGGGGAACCTTCTCTGT 1011
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RESULT 4
AL547686
LOCUS

AL547686

1112 bp mRNA linear

EST 31-MAY-2003

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DEFINITION AL547686 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1008YJ10 5-PRIME, mRNA sequence.
ACCESSION AL547686
VERSION AL547686.2 GI:31269515
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1112)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 15, 2001 this sequence version replaced gi:12881980.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0D1008DE05Qp1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CS0D1008DE05Qp1.
Location/Qualifiers
1..1112
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1008YJ10"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT 247 a 297 c 287 g 277 t 4 others
ORIGIN
Query Match 48.9%; Score 1046.6; DB 9; Length 1112;
Best Local Similarity 99.3%; Pred. No. 4.7e-258;
Matches 1046; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1090 GCTGTGGAGGGAACCTTGTCTGTTTGGACCTACACCTTGGGCTTCGCGAATGAATT 1149
D 1111
D 48 GATGTGGAGGGAACCTTGTCTGTTTGGACCTACACCTTGGGCTTCGCGAATGAATT 107
QY 1150 CCAGAACTACTCTCGGCATCATGCTCTCGGCCACTTTAAACCAATCCCATCTGSCAGTG 1209
D 1111
D 108 CCAGAACTACTCTCGGCATCATGCTCTCGGCCACTTTAAACCAATCCCATCTGSCAGTG 167
QY 1210 GTTCTTGACCCGGTTGGCAAGACACAGCTGTATATGTTGGATCTCATCAGAGTGCC 1269
D 1111
D 168 GTTCTTGACCCGGTTGGCAAGACACAGCTGTATATGTTGGATCTCATCAGAGTGCC 227
QY 1270 ATTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATCATATATATGCGGTAGCTGT 1329
D 1111
D 228 ATTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATCATATATATGCGGTAGCTGT 287
QY 1330 GGCAGCTGGCATCAGTGGGAGCTGCTTCTTACTACCCGTGGTCCATGTCGCTGATGT 1389
D 1111
D 288 GGCAGCTGGCATCAGTGGGAGCTGCTTCTTACTACCCGTGGTCCATGTCGCTGATGT 347
QY 1390 CATTGACGACTTCCATCTGAAGACAGCCCACTTCCATGGAACCCAGCCCACTTCTTCTC 1449
D 1111
D 348 CATTGACGACTTCCATCTGAAGACAGCCCACTTCCATGGAACCCAGCCCACTTCTTCTC 407
QY 1450 CTTCTATGCTCTTCCACCAAGTTGGCTCTGAGTGTCACTGGGCAATTTCTACCCCTCAG 1509
D 1111
D 408 CTTCTATGCTCTTCCACCAAGTTGGCTCTGAGTGTCACTGGGCAATTTCTACCCCTCAG 467

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QY 1510 TCTGACATTTGCGAGGTACACAGACCGTGGCTGCTCGACGCGGACGTTGTCAGTTTAC 1569
D 1111
D 468 TCTGACATTTGCGAGGTACACAGACCGTGGCTGCTCGACGCGGACGTTGTCAGTTTAC 527
QY 1570 ACTGAACATGCTCGTGACCATGCTCCCATATATGTTCTATCTGCTGGGCTGCTGCTCTT 1629
D 1111
D 528 ACTGAACATGCTCGTGACCATGCTCCCATATATGTTCTATCTGCTGGGCTGCTGCTCTT 587
QY 1630 CAAATATGTACCCATTGTATGAGAGAGCGCGGCGAGATATAGAAAGGCGCTGCGAGCACT 1689
D 1111
D 588 CAAATATGTACCCATTGTATGAGAGAGCGCGGCGAGATATAGAAAGGCGCTGCGAGCACT 647
QY 1690 GAGGAGAGGCGGAGCAGCTCTGGCTGCTCAAAAACAGACTCCACAGAGCTGGCTAGCAT 1749
D 1111
D 648 GAGGAGAGGCGGAGCAGCTCTGGCTGCTCAAAAACAGACTCCACAGAGCTGGCTAGCAT 707
QY 1750 CCTCTAGGCGCGGCGGAGCAGCTTGGCCCAAGCCACCATGCGAGAGGCCACAGAGGGATCAGG 1809
D 1111
D 708 CCTCTAGGCGCGGCGGAGCAGCTTGGCCCAAGCCACCATGCGAGAGGCCACAGAGGGATCAGG 767
QY 1810 ACCTGCTGCGCGGCTTGTGTCAGCAGCTGCTGAGTGCCTAGGAGGGAACCTGAAGACT 1869
D 1111
D 768 ACCTGCTGCGCGGCTTGTGTCAGCAGCTGCTGAGTGCCTAGGAGGGAACCTGAAGACT 827
QY 1870 CAAGAGAGTGGCGGAGGAGCAGCTTGTGTCAGTGTGGGCGCGGCTGCTCTGTGGCCTC 1929
D 1111
D 828 CAAGAGAGTGGCGGAGGAGCAGCTTGTGTCAGTGTGGGCGCGGCTGCTCTGTGGCCTC 887
QY 1930 CTGCTCCCTCTGCTGCTGCTGGGCGCAAGCCCTGGGCTGCCACTGTGAATATGCCA 1989
D 1111
D 888 CTGCTCCCTCTGCTGCTGCTGGGCGCAAGCCCTGGGCTGCCACTGTGAATATGCCA 947
QY 1990 AGGACTGATCGGGCTTAGCCCGGAACACTAATGTAGAAACCTTTTTTACAGAGCCTAA 2049
D 1111
D 948 AGGACTGATCGGGCTTAGCCCGGAACACTAATGTAGAAACCTTTTTTACAGAGCCTAA 1007
QY 2050 TTAATACTTAATGACTGTGTACATAGCAATGTGTGTATGTATGTCTGTGAGCTAT 2109
D 1111
D 1008 TTAATACTTAATGACTGTGTACATAGCAATGTGTGTATGTATGTCTGTGAGCTAT 1067
QY 2110 TAATGTTATTAAATTTTCATAAAAGCTGGAAGC 2142
D 1111
D 1068 TWATGTTATTAAATTTTCATAAAARCYGGGAGC 1100

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RESULT 5
AL514028 1201 bp mRNA linear EST 08-MAY-2003
LOCUS AL514028 Homo sapiens PLACENTA Homo sapiens cDNA clone CL0BA012ZH01
DEFINITION 5-PRIME, mRNA sequence.
ACCESSION AL514028
VERSION AL514028.2 GI:30463913
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1201)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 13, 2001 this sequence version replaced gi:12777522.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CL0BA012ZH01RPL&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600

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FEATURES		Faraday Avenue Genoscope sequence ID : CL0BA012ZH01RP1.	
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	/organism="Homo sapiens"		
	/mol_type="mRNA"		
	/db_xref="taxon:9606"		
	/clone="CL0BA012ZH01"		
		/tissue_type="PLACENTA"	
		/note="Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, into double-strand cDNA was digested with Not I and cloned the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."	
BASE COUNT		264 a	323 c 299 g 284 t 31 others
ORIGIN			
Query Match		45.4%	Score 982.2; DB 9; Length 1201;
Best Local Similarity		97.1%	Pred. No. 1.8e-241;
Matches 1024; Conservative		7; Mismatches 20; Indels 4; Gaps 3;	
QY	670	ATGTTTCATCAGCAACCGACGAGACTCAGCGGGATTCTGCCACCGCCTATCGGATGACTGT	729
Db	51	ATGTTTCATCAGC-ACCGACGAGACTCAGCGGGATTCTGCCACCGCCTATCGGATGACTGT	109
QY	730	GGAAGTGTGGGCACAGTGTCTGGGCACGCGGATCCAGGGACAATCTGTGGGCCAAGCAGA	789
Db	110	GGAAGTGTGGGCACAGTGTCTGGGCACGCGGATCCAGGGACAATCTGTGGGCCAAGCAGA	169
QY	790	CAGCGCTTGTTCACGAGCTTCAATAGCTCTACAGTAGCTTCAAAAGTGCACCAACATAC	849
Db	170	CAGCGCTTGTTCACGAGCTTCAATAGCTCTACAGTAGCTTCAAAAGTGCACCAACATAC	229
QY	850	ACATGCACCACTTCACACAGGGAACGCAAAAGGATACCTGCTGGCAGCGGGTGCAT	909
Db	230	ACATGCACCACTTCACACAGGGAACGCAAAAGGATACCTGCTGGCAGCGGGTGCAT	289
QY	910	TGTCTGTATCTATATATCTGTCTGTCTATCTCTGATCCTGCGGCGTCCGAGCAGAGAGA	969
Db	290	TGTCTGTATCTATATATCTGTCTGTCTATCTCTGATCCTGCGGCGTCCGAGCAGAGAGA	349
QY	970	ACCTATGAAGCCACGACTCTGAGCCAATCGCTACTTCCGGGGCTACGGCTGTGCAT	1029
Db	350	ACCTATGAAGCCACGACTCTGAGCCAATCGCTACTTCCGGGGCTACGGCTGTGCAT	409
QY	1030	GAGCCACGGCCCATACATCAAACTTATTACTGGCTTCTCTTCAACCTCCTTGGCTTTCAT	1089
Db	410	GAGCCACGGCCCATACATCAAACTTATTACTGGCTTCTCTTCAACCTCCTTGGCTTTCAT	459
QY	1090	GCTGTGGAGGGGAACCTTGTCTGTGTTTGGACCTACACCTTGGGGTTCGCGCAATGAAT	1149
Db	470	GCTGTGGAGGGGAACCTTGTCTGTGTTTGGACCTACACCTTGGGGTTCGCGCAATGAAT	529
QY	1150	CCAGAACTCTACTCTCGCCATCATGCTCTCGGCCACTTTAAACATTCCTCATCTGGCAGTG	1209
Db	530	CCAGAACTCTACTCTCGCCATCATGCTCTCGGCCACTTTAAACATTCCTCATCTGGCAGTG	599
QY	1210	GTCTTTGACCGGTTTGGCAAGACAGCTGTATATGTGGATCTCATCAGCAGTGCC	1269
Db	590	GTCTTTGACCGGTTTGGCAAGACAGCTGTATATGTGGATCTCATCAGCAGTGCC	649
QY	1270	ATTTCATCTCTTGGTGGCCCTCATGGAGAGTAACTCATCATTTACATATGCGGTAGCTGT	1329
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QY	1330	GGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGTGTCATGCTGCTCATGT	1389
Db	710	GGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGTGTCATGCTGCTCATGT	769
QY	1390	CATTGACGACTTCCATCTGAAGCAGCGCCCACTTCCATGGAACGAGCCCATCTTCTTC	1449
Db	770	CATTGACGACTTCCATCTGAAGCAGCGCCCACTTCCATGGAACGAGCCCATCTTCTTC	829

QY	1450	CTTCTATGCTTCTTCTCACCAAGTTTGCCTCTTGAGTGTCTACTGGGCACTTTCTACCCCTCAG	1509
Db	830	CTTCTATGCTTCTTCTCACCAAGTTTGCCTCTTGAGTGTCTACTGGGCACTTTCTACCCCTCAG	889
QY	1510	TCCTGGACTTTGCAGGGTACCAGACCCGCTGCTCGCAGCCCGACGAGTGTCAAGTTTAC	1569
Db	890	TCCTGGACTTTGCAGGGTACCAGACCCGCTGCTCGCAGCCCGACGAGTGTCAAGTTTAC	949
QY	1570	ACTGAACATGCTCTGTCACCATGCTCCCATAGTTCCTCATCTCTGGCCCTGCTGCTCTT	1629
Db	950	ACTGAACATGCTCTGTCACCATGCTCCCATAGTTCCTCATCTCTGGCCCTGCTGCTCTT	1009
QY	1630	CAAAATGTACCCCATTTGATGAGGAGGCGGCGGAGAAATGAAGAGCCCTGCGAGCACT	1689
Db	1010	CAAAATGTACCCCATTTGATGAGGAGGCGGCGG-MGAATAARARGSCC--TGCAGSACT	1066
QY	1690	GAGGGACGAGGCCAGCAGCTCTGGCTGCTCAGAAA	1724
Db	1067	GAGGGACGAGGCCAGCAGCTCTGGCTGCTCAGAAA	1101

RESULT 6
AL576274/c

LOCUS

DEFINITION

AL576274

ACCESSION

VERSION

AL576274.2

GI:31314562

KEYWORDS

EST.

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 (bases 1 to 1201)

AUTHORS

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

TITLE

Full-length cDNA libraries and normalization

JOURNAL

Unpublished

COMMENT

On Feb 16, 2001 this sequence version replaced gi:12938255.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 1026.f For more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI073CE06NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com/ invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DI073CE06NP1.
Location/Qualifiers
1. .1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI073YJ11"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

BASE COUNT

301 a 284 c 327 g 254 t 35 others

ORIGIN

Query Match 45.4%; Score 972.2; DB 9; Length 1201;
Best Local Similarity 96.7%; Pred. No. 6.9e-239;
Matches 1012; Conservative 11; Mismatches 21; Indels 3; Gaps 3;

QY

1065

TCCTCTTCACCTCTTGGCTTTTCATGCTGTGGGAGGAACTTGTCTGTTTGCACCT

1124

Db

1045

TATGTCTCTCTCACCTCTCTGTTTCATGCTGTGGAGGAAATTKTKTTR-TTTCACCT

987

Db 785 CTCTACAGTAGCTTCAAAAGTGCCAAACCATACATACATGTCACCACTCACACAGGAAAC 844

QY 877 GCAAAAGGCATACCTGCTGCAGCGGGGGTCAATGCTGTATCTATATATATCTGCTGT 936

Db 845 GCRAAGGCATACCTGCTGCAGCGGGGNCATTTGGCTGAATCTATATATCTGGGCTGC 904

QY 937 CATCTGATCCTGGGGTGGGAGCAGAGAGAACCTATGAAGCCAGCAGTCTGAGCC 996

Db 905 CATCCTGATCCTGGGCTGGGAGCAAGAGAACCTATGAAG-CCAGCAGTCTGAGCC 963

QY 997 AATCGCCTACTTCCGGGGCTACGGCTGTGTCATGAGCCAGCGGCCCATATCAAACTTA 1055

Db 964 AATCGCCTACTTCCGGGGCTACGGCTGTGTCATGAGCCAGCGGCCCATATCAAACTTA 1021

RESULT 9
AL572843/c

LOCUS
DEFINITION
AL572843 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1034Y118 3-PRIME, mRNA sequence.

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

On Feb 16, 2001 this sequence version replaced gi:12931503.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0D1034BE09NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CS0D1034BE09NP1.
Location/Qualifiers
1. .1201
/organism="Homo sapiens"
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/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT 274 a 283 c 332 g 239 t 73 others
ORIGIN

Query Match 44.9%; Score 962.4; DB 9; Length 1201;
Best Local Similarity 96.0%; Pred. No. 2.3e-236;
Matches 982; Conservative 12; Mismatches 28; Indels 1; Gaps 1;

QY 1065 TCCTCTTCACTCTCTGCTTTCATGCTGGTGGAGGGAACCTTGTCTGTTTGTGCACCT 1124

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QY 1125 ACACCTTGGGCTTCGCAATGAATTCAGAACTTACTCTCGGCATCATGCTCTCGGCCA 1184

Db 991 ACCCCTTGGG-TTCGCAATGAATTCAGAACTTACTCTCGGCATCATGCTCTCGGCCA 933

QY 1185 CTTTAACCATTCCCATCTGGCAGTGGTCTTGTACCCGGTTTGGCAAGAACAGCTGAT 1244

Db 932 CTTTAAACCATCCCATCTGGCAGTGGTCTTTCACCCGGTTTGGCAAGAGACAGCTGTAT 873

QY 1245 ATGTTGGGATCTCATCAGCAGTGGCATTTCTCATCTTGGTGGCCCTCATGGAGATAACC 1304

Db 872 ATGTTGGGATCTCATCAGCAGTGGCATTTCTCATCTTGGTGGCCCTCATGGAGATAACC 813

QY 1305 TCATCATATACATATCGGCTAGCTGGCAGCTGGCATGTCAGTGTGCGACGCTGCCCTTCTTAC 1364

Db 812 TCATCATATACATATCGGCTAGCTGGCAGCTGGCATGTCAGTGTGCGACGCTGCCCTTCTTAC 753

QY 1365 TACCCTGTGTCCATGCTGCTGATGTGATGAGTGTCCATCTGAAGCAGCCCACTTCC 1424

Db 752 TACCCTGTGTCCATGCTGCTGATGTGATGAGTGTCCATCTGAAGCAGCCCACTTCC 693

QY 1425 ATGGAACCGAGCCCATCTTCTTCTCTTATGTCTTCTTACCAAGTTGCTGTGAG 1484

Db 692 ATGGAACCGAGCCCATCTTCTTCTCTTATGTCTTCTTACCAAGTTGCTGTGAG 633

QY 1485 TGTCACTGGGATTTCTTACCCTCAGTCTGGAGTTTGGCAGGTACCAGACCGTGGCTGCT 1544

Db 632 TGTCACTGGGATTTCTTACCCTCAGTCTGGAGTTTGGCAGGTACCAGACCGTGGCTGCT 573

QY 1545 CGAGCCGGAACGCTGTCAAGTTTACACTGAACATGCTGTCGACCATGCTCCCATAGTTC 1604

Db 572 CGAGCCGGAACGCTGTCAAGTTTACACTGAACATGCTGTCGACCATGCTCCCATAGTTC 513

QY 1605 TCATCTCTGCTGGCTGCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGGGC 1664

Db 512 TCATCTCTGCTGGCTGCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGGGC 453

QY 1665 AGAATAAGAGGCGCTGTCAGGCACTGAGGAGCAGGCGCAGCTCTGGCTGTCTCAGAAA 1724

Db 452 AGAATAAGAGGCGCTGTCAGGCACTGAGGAGCAGGCGCAGCTCTGGCTGTCTCAGAAA 393

QY 1725 CAGACTCCACAGAGTGGCTAGCATCTCTTAGGGCGCCCGCCACGTTGCCCGAAGCCACAT 1784

Db 392 CAGACTCCACAGAGTGGCTAGCATCTCTTAGGGCGCCCGCCACGTTGCCCGAAGCCACAT 333

QY 1785 GCAGAAGGCCACAGAAGGATCAGGACTGTCTCCGGCTTGTGAGCAGCTGGACGTGCA 1844

Db 332 GCAGAAGGCCACAGAAGGATCAGGACTGTCTCCGGCTTGTGAGCAGCTGGACGTGCA 273

QY 1845 GGTGCTAGGAAGGGAACCTGAAGACTCAAGAGGTGGCCCGCCAGGACACTTGTGTGCTCACT 1904

Db 272 GGTGCTAGGAAGGGAACCTGAAGACTCAAGAGGTGGCCCGCCAGGACACTTGTGTGCTCACT 213

QY 1905 GTGGGGCGGCTGCTGTGTGCGCTCTGCTCCCTCTGCTGCTGCTGCTGGGCGCAAGCCC 1964

Db 212 GTGGGGCGGCTGCTGTGTGCGCTCTGCTCCCTCTGCTGCTGCTGCTGGGCGCAAGCCC 153

QY 1965 TGGGGCTGCCACTGTGTAATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAAATGTA 2024

Db 152 TGGGGCTGCCACTGTGTAATATGCCAAGGACTGATCGGGCTAGCCCGGAACACTAAATGTA 93

QY 2025 GAACCTTTTTCAGAGACCTTAATTAACCTTAATGACTGTGTACATAGCAATGTGT 2084

Db 92 GAACCTTTTTCAGAGACCTTAATTAACCTTAATGACTGTGTACATAGCAATGTGT 33

QY 2085 GTG 2087

Db 32 GTG 30

RESULT 10
AL574077/c

LOCUS
DEFINITION
AL574077 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D10407M11 3-PRIME, mRNA sequence.

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

AL574077
AL574077.2 GI:31295412
EST.
Homo sapiens (human)
Homo sapiens


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/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."
BASE COUNT      251 a   340 c   320 g   254 t   36 others
ORIGIN
Query Match      44.4%; Score 950; DB 9; Length 1201;
Best Local Similarity 94.7%; Pred. No. 3.5e-233;
Matches 1023; Conservative 21; Mismatches 28; Indels 8; Gaps 6;

QY  37  GCCGGCTTGGCTAGCGCGGGCGCGCTGAGCTGCTAGGAAGCGAGCTTGGGAGG 96
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Db  133  AGCAGCGGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCGG 192
QY  157  CGGGTCATGGCCNAAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGGCTGTACCCACC 216
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QY  217  AGCATCTCCAAGCACTCAAGCCCGCCGAGGTGAGAAAGACCCGAAAAGAGAA 276
Db  253  AGCATCTCCAAGCACTCAAGCCCGCCGAGGTGAGAAAGACCCGAAAAGAGAA 312
QY  277  CAACAGTCTCTGTTTGCACAAAGCTTGTCTATGCACCTTGGGGAGCCCGCTTACCAGGTG 336
Db  313  CAACAGTCTCTGTTTGCACAAAGCTTGTCTATGCACCTTGGGGAGCCCGCTTACCAGGTG 372
QY  337  AGGGGTGCGCCCTGGGTTTCTCTTCAGATCTACCTATTTGGATGTGGCTCAGTGGGC 396
Db  373  AGGGGTGCGCCCTGGGTTTCTCTTCAGATCTACCTATTTGGATGTGGCTCAGTGGGC 432
QY  397  CTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGCTGGGATGCCATCACAGCCCC 456
Db  433  CTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGCTGGGATGCCATCACAGCCCC 492
QY  457  CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGAGCTGCCTGGGTGCGCTTATGCCCTGG 516
Db  493  CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGAGCTGCCTGGGTGCGCTTATGCCCTGG 552
QY  517  ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCCCTACTTCCCTCATCTGTTGTCGCCCGAC 576
Db  553  ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCCCTACTTCCCTCATCTGTTGTCGCCCGAC 612
QY  577  TTCCACACGGCGAGACCTATTGTTACCTGCTTTTCTATTGCTCTTTTGAACAATGTC 636
Db  613  TTCCACACGGCGAGACCTATTGTTACCTGCTTTTCTATTGCTCTTTTGAACAATGTC 672
QY  637  AGGTGTTTCATGTTCCCTACTCGGCTCTACCATGTTTCATCAGCAACCGAGCAGCTGA 696
Db  673  AGGTGTTTCATGTTTCTCTACTCGGCBCTCACCATTGTTTCATCAGC-ACCGAGCAGCTGA 731
QY  697  GCGGATTCGCCACGCCCTATCGATGACGTGGAAGTGTGGGACAGTGTGGGCAC 756
Db  732  GCGGATTCGCCACGCCCTATCGATGACGTGGAAGTGTGGGACAGTGTGGGCAC 791
QY  757  GCGCATCCAGGAGCAAAATCGTGGCCAGCAGCAGCGCTTGTTCAGGACTTCAATAG 816
Db  792  GCGCATCCAGGAGCAAAATCGTGGCCAGCAGCAGCGCTTGTTCAGGACCTCAATAG 851
QY  817  CTCCTACAGTACCTTCACAAAGTGGCCACCATACATACATGGCACCACTTTCACACAGGGAAC 876
Db  852  CTCCTACAGTACCTTCACAAAGTGGCC-ACCATACATATGGCACCACTTTCACACAGGGAAC 910

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/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoRV
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT      288 a   288 c   327 g   250 t   48 others
ORIGIN
Query Match      44.2%; Score 947.8; DB 9; Length 1201;
Best Local Similarity 96.1%; Pred. No. 1.3e-232;
Matches 986; Conservative 11; Mismatches 25; Indels 4; Gaps 3;

QY  1099  GGGGAACCTTGTCTTTTGGACCTACACCTTGGGCTTCCGCAATGAATTCAGAACT 1158
Db  1023  GAGGGAACTTGTCTTCTTGTGACCTACACCTTGGGCT--CCGCAATGAATTCAGAACT 966
QY  1159  ACTTCCTGGGCATCATGCTCTCGGCCACTTTAAACATTCCTGCGAGTGGTCTTGTGAC 1218
Db  965  ACTCCTGGGCATCATGCTCTCGGCCACTTTAAACATTCCTGCGAGTGGCACT-GTTCGTGAC 907

AL570518      1201 bp      mRNA      linear      EST 31-MAY-2003
AL570518 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1018YO13 3-PRIME, mRNA sequence.
AL570518
AL570518.2 GI:31291937
EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
JOURNAL Full-length cDNA libraries and normalization
COMMENT Unpublished
On Feb 16, 2001 this sequence version replaced gi:12926906.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0D1018AH07NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0D1018AH07NP1.
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primer. Five prime end enriched, double-strand cDNA was
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sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT      288 a   288 c   327 g   250 t   48 others
ORIGIN
Query Match      44.2%; Score 947.8; DB 9; Length 1201;
Best Local Similarity 96.1%; Pred. No. 1.3e-232;
Matches 986; Conservative 11; Mismatches 25; Indels 4; Gaps 3;

QY  1099  GGGGAACCTTGTCTTTTGGACCTACACCTTGGGCTTCCGCAATGAATTCAGAACT 1158
Db  1023  GAGGGAACTTGTCTTCTTGTGACCTACACCTTGGGCT--CCGCAATGAATTCAGAACT 966
QY  1159  ACTTCCTGGGCATCATGCTCTCGGCCACTTTAAACATTCCTGCGAGTGGTCTTGTGAC 1218
Db  965  ACTCCTGGGCATCATGCTCTCGGCCACTTTAAACATTCCTGCGAGTGGCACT-GTTCGTGAC 907
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Qy	1219	CCGGTTTGGCAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCATTTCTCAT	1278
Ds	906	CCGGTTTGGCAAGACAGCTGTATATGTT-GGATCTCATCAGCAGTGCATTTCTCAT	848
Qy	1279	CTTGGTGGCCTCATGAGAGTAACCTTCATCATATACATATGCGGTAGCTGGCAGCTGG	1338
Ds	847	CTTGGTGGCCTCATGAGAGTAACCTTCATCATATACATATGCGGTAGCTGGCAGCTGG	788
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Ds	787	CATCAGTGTGGCAGCTGCCCTTCTTACTACCTGTGTCATGCTGCTGATGTCATTGACGA	728
Qy	1399	CTTCCATCTGAAGCAGCCCTTCCATGGAACCGAGCCCATCTTCTTCTCTTCTATGT	1458
Ds	727	CTTCCATCTGAAGCAGCCCTTCCATGGAACCGAGCCCATCTTCTTCTCTTCTATGT	668
Qy	1459	CTTCTTTCACCAAGTTTGGCTTCTGGAGTGTCTACCTGGGCTTCTTACCTCAGTCTGGACTT	1518
Ds	667	CTTCTTTCACCAAGTTTGGCTTCTGGAGTGTCTACCTGGGCTTCTTACCTCAGTCTGGACTT	608
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Ds	607	TGCAGGTATACAGACCCGCTGGCTGCTCGCAGCCGGAACGTGTCAAGTTTACACTGAACAT	548
Qy	1579	GCTCGTGACCATGGCTCCCATATAGTTCTCATCTGCTGGGCTGCTGCTTCAAAATGTA	1638
Ds	547	GCTCGTGACCATGGCTCCCATATAGTTCTCATCTGCTGGGCTGCTGCTTCAAAATGTA	488
Qy	1639	CCCCATTGATGAGAGAGCGCGGCGCAATAGAAAGCCCTGCAGGCACTGAGGGACGA	1698
Ds	487	CCCCATTGATGAGAGAGCGCGGCGCAATAGAAAGCCCTGCAGGCACTGAGGGACGA	428
Qy	1699	GGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCTCTCTAGGG	1758
Ds	427	GGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCTCTCTAGGG	368
Qy	1759	CCGCCACAGTTGCCCGAAGCCACCATGTCAGAGGCCACAGAGGGATCAGGACCTGTCTG	1818
Ds	367	CCGCCACAGTTGCCCGAAGCCACCATGTCAGAGGCCACAGAGGGATCAGGACCTGTCTG	308
Qy	1819	CCGGCTTGTGAGCAGCTGACCTGACGTGCTAGGAGGGAAGTGAAGACTCAAGGAGT	1878
Ds	307	CCGGCTTGTGAGCAGCTGACGTGCTAGGAGGGAAGTGAAGACTCAAGGAGT	248
Qy	1879	GGCCAGGACACTTGTGCTGCTCACTGTGGGGCGGCTGCTGCTGGGCTCCTGCCCTCC	1938
Ds	247	GGCCAGGACACTTGTGCTGCTCACTGTGGGGCGGCTGCTGCTGGGCTCCTGCCCTCC	188
Qy	1939	CTCTGCTGCTGTGGGGCCAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGAT	1998
Ds	187	CTCTGCTGCTGTGGGGCCAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGAT	128
Qy	1999	CGGGCTTAGCCCGGACACTAATGTAGAAACCTTTTTTTTACAGAGCCTAATTAATACT	2058
Ds	127	CGGGCTTAGCCCGGACACTAATGTAGAAACCTTTTTTTTACAGAGCCTAATTAATACT	68
Qy	2059	TAATGACTGTACATAGCAATGTGTGTATGTATGTATGTCTGTGAGCTAATTAATGAT	2118
Ds	67	TAATGACTGTACATAGCAATGTGTGTATGTATGTATGTCTGTGAGCTAATTAATGAT	8
Qy	2119	TAATTT 2124	
Ds	7	WNAWTW 2	

RESULT 13
AL553213
LOCUS
AL553213 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1073VJ11 5-PRIME, mRNA sequence.
AL553213
ACCESSION
AL553213.2 GI:31275027

KEYWORDS	EST.	
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
REFERENCE	Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.	
AUTHORS	Li, W.B., Gruber, C., Jesse, J. and Polayes, D.	
JOURNAL	Full-length cDNA libraries and normalization	
COMMENT	On Feb 15, 2001 this sequence version replaced gi:12892839. Contact: Genoscope Genoscope - Centre National de Sequencage BP 191 91006 EVRY cedex - France Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 1026.f For more information about this cluster, see http://www.genoscope.cns.fr/ cgl-bin/cluster.cgi?seq=CS0D1073CE06QPI&cluster=1026.f. Contact : Feng Liang Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com/ Invitrogen Corporation 1600 Faraday Avenue Genoscope sequence ID : CS0D1073CE06QPI.	
FEATURES	Location/Qualifiers	
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BASE COUNT	270 a 317 c 305 g 287 t 22 others	
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Query Match	44.0%; Score 942; DB 9; Length 1201;	
Best Local Similarity	95.6%; Pred. No. 4e-231;	
Matches	983; Conservative 6; Mismatches 36; Indels 3; Gaps 2;	
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Ds	59	CCGGATTCGAGCAGCTGAGCGGGATTCGCCACCGCTATCGGATGACTGTGGAAGTC 118
Qy	738	TGGCAGAGTCTGGGCGGCGATCCAGGACAAATCGTGGGCAAGCAGACACGCTT 797
Ds	119	TGGCAGAGTCTGGGCGGCGATCCAGGACAAATCGTGGGCAAGCAGACACGCTT 178
Qy	798	GTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGCCAAACATACATGCA 857
Ds	179	GTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGCCAAACATACATGCA 238
Qy	858	CCACTTCACAGAGGAACCAAGGCATACCTGCTGGCAGCGGGGTCTTCTCTTA 917
Ds	239	CCACTTCACAGAGGAACCAAGGCATACCTGCTGGCAGCGGGGTCTTCTCTTA 298
Qy	918	TCTATAATCTGTGCTGCTCATCTGATCTCTGGCGGTGCGGAGCAGAGAACCCATG 977
Ds	299	TCTATAATCTGTGCTGCTCATCTGATCTCTGGCGGTGCGGAGCAGAGAACCCATG 358
Qy	978	AAGCCAGCAGTCTGAGCCCAATCCCTACTTCCGGGGCTTACGGCTGTATGAGCCAG 1037
Ds	359	AAGCCAGCAGTCTGAGCCCAATCCCTACTTCCGGGGCTTACGGCTGTATGAGCCAG 418
Qy	1038	GCCCATACATAAACTTATTACTGCTTCTTCACTTCTTCACTTCTTCACTTCTTCTT 1097
Ds	419	GCCCATACATAAACTTATTACTGCTTCTTCACTTCTTCACTTCTTCTTCTTCTT 478
Qy	1098	AGGGAACTTGTCTTCTTGTGACCTTACACTTGGGCTTCCGCAATGAATTCAGAAATC 1157
Ds	479	AGGGAACTTGTCTTCTTGTGACCTTACACTTGGGCTTCCGCAATGAATTCAGAAATC 538

QY	1158	TACTCCTGGCCATCATGCTCTCGGCCACTTTAAACCATTCCTCCATCTGCGAGTGGTCTTTGA	1217
Db	539	TACTCCTGGCCATCATGCTCTCGGCCACTTTAAACCATTCCTCCATCTGCGAGTGGTCTTTGA	598
QY	1218	CCCGGTTTGGCAAGAAGACACGCTGTATATGTTGGGATCTCATCAGCAGTGCCATTCTCA	1277
Db	599	CCCGGTTTGGCAAGAAGACACGCTGTATATGTTGGGATCTCATCAGCAGTGCCATTCTCA	658
QY	1278	TCTTGGTGGCCCTCATGAGAGTAACCTCATTTACATATGCGGTAGCTGTGGCAGCTG	1337
Db	659	TCTTGGTGGCCCTCATGAGAGTAACCTCATTTACATATGCGGTAS-TGTGGCAGCTG	717
QY	1338	GCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCTGCGCTGATGTCATTGACG	1397
Db	718	GCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCTGCGCTGATGTCATTGACG	777
QY	1398	ACTTCCATCTGAAGCAGCCGCCACTTTCATGGAACCGAGCCCATCTTCTTCTCTCTATG	1457
Db	778	ACTTCCATCTGAAGCAGCCGCCACTTTCATGGAACCGAGCCCATCTTCTTCTCTCTATG	837
QY	1458	TCTTCTTACCAAGTTTGGCCTCTGGAGTGTCACCTGGGCATTTCTACCTCAGTCTGGACT	1517
Db	838	TCTTCTTACCAAGTTTGGCCTCTGGAGTGTCACCTGGGCATTTCTACCTCAGTCTGGACT	897
QY	1518	TTGCAGGGTACCAAGACCCGCTGGCTGCTCGCAGCGGGAACGTGTCAAGTTTACACTCAACA	1577
Db	898	TTGCAGGGTACCAAGACCCGCTGGCTGCTCGCAGCGGGAACGTGTCAAGTTTACACTCAACA	957
QY	1578	TGCTCGTGACATGGCTCCCATAGTTCTCATCTGCTGGGCCCTGCTGCTCTTCAAAATGT	1637
Db	958	TGCTCGTGACATGGCTCCCATAGTTCTCATCTGCTGGGCCCTGCTGCTCTTCAAAATGT	1697
QY	1638	ACCCCATTTGATGAGGAGAGCGCGCAGCAATAAGAAGCCCTGCAGGCACTGAGGGACG	1697
Db	1016	TACCCATTGATGAGRGRRGGGCGGSAGATAAGAAGCCTGCAGGACTGAGGGAGGCAGC	1075
QY	1698	AGGCCAGC	1705
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FEATURES	SOURCE
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AUTHORS	Li, W.B., Gruber, C., Jessee, J., and Polayes, D.				671	ACGTGTTTCCATGTTCCCTACTTCGGCTCTCACCATTGTTTCATCAGC-ACCGAGCAGACATGA	729
TITLE	Full-length cDNA libraries and normalization				697	GGGGATTCTGCCACCGCCTATCCGATCAGTGTGGAAGTGTGGGCACAGTGTGGGCAC	756
JOURNAL	Unpublished				730	GGGGATTCTGCCACCGCCTATCCGATGACTGTGGAAGTGTGGGCACAGTGTGGGCAC	789
COMMENT	On Feb 15, 2001 this sequence version replaced gi:12881813. Contact: Genoscope Genoscope - Centre National de Sequencage Bp 191 91006 EVRY cedex - France Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr Library was constructed by Life technologies, a division of Invitrogen. This sequence belongs to sequence cluster 1026.f For more information about this cluster, see http://www.genoscope.cns.fr/ cgi-bin/cluster.cgi?seq=CS0DI008BD120p1&cluster=1026.f. Contact : Feng Liang Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com/ Invitrogen Corporation 1600 Faraday Avenue Genoscope sequence ID : CS0DI008BD120p1. Location/Qualifiers 1. .1201 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="CS0DI008YG24" /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED" /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized." 246 a 348 c 322 q 271 t 14 others				757	GGCGATCCAGGGACAAATCGTGGGCCAAGCAGACACGCTTGTTCAGGACTTCAATAG	816
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GenCore version 5.1.6
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c 280	16	0.7	1077	3	US-09-155-920-1	Sequence 1, Appli	Sequence 1, Appli	353	16	0.7	1978	3	US-09-101-146-61	Sequence 61, Appl
c 281	16	0.7	1092	4	US-09-252-991A-6628	Sequence 6628, Ap	Sequence 6628, Ap	354	16	0.7	2072	4	US-09-218-363-5	Sequence 5, Appli
c 282	16	0.7	1112	4	US-09-489-847-99	Sequence 99, Appl	Sequence 99, Appl	355	16	0.7	2078	4	US-09-489-847-61	Sequence 61, Appl
c 283	16	0.7	1127	4	US-09-391-741A-1	Sequence 1, Appli	Sequence 1, Appli	356	16	0.7	2085	2	US-08-677-049-1	Sequence 1, Appli
c 284	16	0.7	1127	4	US-09-391-741A-15	Sequence 15, Appl	Sequence 15, Appl	357	16	0.7	2097	1	US-08-393-985-1	Sequence 1, Appli
c 285	16	0.7	1127	4	US-09-391-741A-25	Sequence 25, Appl	Sequence 25, Appl	358	16	0.7	2117	4	US-09-149-476-158	Sequence 158, App
c 286	16	0.7	1194	4	US-09-252-991A-11851	Sequence 11851, A	Sequence 11851, A	359	16	0.7	2119	4	US-09-620-312D-35	Sequence 35, Appl
c 287	16	0.7	1207	3	US-09-264-419C-1	Sequence 1, Appli	Sequence 1, Appli	360	16	0.7	2193	4	US-09-620-312D-668	Sequence 668, App
c 288	16	0.7	1227	2	US-08-903-851-1	Sequence 1, Appli	Sequence 1, Appli	361	16	0.7	2223	4	US-09-252-991A-5004	Sequence 5004, Ap
c 289	16	0.7	1236	4	US-09-252-991A-4497	Sequence 4497, Ap	Sequence 4497, Ap	362	16	0.7	2313	4	US-09-370-838-157	Sequence 157, App
c 290	16	0.7	1278	4	US-09-252-991A-14456	Sequence 14456, A	Sequence 14456, A	363	16	0.7	2315	4	US-09-152-060-48	Sequence 48, Appl
c 291	16	0.7	1310	4	US-09-620-312D-626	Sequence 626, App	Sequence 626, App	364	16	0.7	2397	2	US-08-525-940-22	Sequence 22, Appl
c 292	16	0.7	1311	4	US-09-252-991A-4347	Sequence 4347, Ap	Sequence 4347, Ap	365	16	0.7	2397	2	US-08-976-838-22	Sequence 22, Appl
c 293	16	0.7	1345	2	US-08-976-838-26	Sequence 26, Appl	Sequence 26, Appl	366	16	0.7	2399	2	US-08-070-116A-1	Sequence 1, Appli
c 294	16	0.7	1345	2	US-08-976-838-27	Sequence 27, Appl	Sequence 27, Appl	367	16	0.7	2399	4	US-08-557-050-1	Sequence 1, Appli
c 295	16	0.7	1350	4	US-09-252-991A-4370	Sequence 4370, Ap	Sequence 4370, Ap	368	16	0.7	2406	4	US-09-594-506-37	Sequence 37, Appl
c 296	16	0.7	1368	4	US-09-252-991A-1071	Sequence 1071, Ap	Sequence 1071, Ap	369	16	0.7	2417	4	US-09-254-776B-3	Sequence 3, Appli
c 297	16	0.7	1373	2	US-08-907-674-2	Sequence 2, Appli	Sequence 2, Appli	370	16	0.7	2566	4	US-09-594-506-33	Sequence 33, Appl
c 298	16	0.7	1373	2	US-09-215-087-2	Sequence 2, Appli	Sequence 2, Appli	371	16	0.7	2580	4	US-09-620-312D-813	Sequence 813, App
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c 300	16	0.7	1377	4	US-09-435-956A-2	Sequence 2, Appli	Sequence 2, Appli	373	16	0.7	2643	2	US-08-525-940-20	Sequence 20, Appl
c 301	16	0.7	1380	1	US-08-599-252-82	Sequence 82, Appl	Sequence 82, Appl	374	16	0.7	2643	2	US-08-976-838-20	Sequence 20, Appl
c 302	16	0.7	1380	1	US-08-436-074-55	Sequence 55, Appl	Sequence 55, Appl	375	16	0.7	2686	4	US-09-795-691-1	Sequence 1, Appli
c 303	16	0.7	1380	5	PCT-US96-06352-82	Sequence 82, Appl	Sequence 82, Appl	376	16	0.7	2745	2	US-08-525-940-19	Sequence 19, Appl
c 304	16	0.7	1380	5	PCT-US96-06583-82	Sequence 82, Appl	Sequence 82, Appl	377	16	0.7	2745	2	US-08-976-838-19	Sequence 19, Appl
c 305	16	0.7	1381	4	US-08-858-207A-108	Sequence 108, App	Sequence 108, App	378	16	0.7	2766	2	US-08-525-940-17	Sequence 17, Appl
c 306	16	0.7	1411	4	US-08-482-746-5	Sequence 5, Appli	Sequence 5, Appli	379	16	0.7	2766	2	US-08-376-838-17	Sequence 17, Appl
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c 309	16	0.7	1418	4	US-09-620-312D-1054	Sequence 1054, Ap	Sequence 1054, Ap	382	16	0.7	2775	4	US-09-252-991A-6637	Sequence 6637, Ap
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c 312	16	0.7	1446	4	US-09-170-496D-81	Sequence 81, Appl	Sequence 81, Appl	385	16	0.7	2861	4	US-09-016-434-1103	Sequence 1103, Ap
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c 406	16	0.7	3520	2	US-08-477-166-3	Sequence 3, Appl	c 479	16	0.7	176373	3	US-09-128-155-17	Sequence 17, Appl
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c 410	16	0.7	3834	4	US-09-397-885-4	Sequence 4, Appl	c 483	16	0.7	1830121	4	US-09-557-884-1	Sequence 1, Appl
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c 464	16	0.7	38584	4	US-09-453-702B-50	Sequence 50, Appl							
c 465	16	0.7	40352	3	US-08-846-111D-15	Sequence 15, Appl							

ALIGNMENTS

RESULT 1

US-09-996-243-19
; Sequence 19, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C13
; CURRENT APPLICATION NUMBER: US/09/996,243

[illegible]

; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
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; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
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; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 26.7%; Score 571; DB 4; Length 571;
Best Local Similarity 100.0%; Pred. No. 4.1e-267;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GGGAAAGCGAAAGGCGATACCTGCTGGCAGCGGGGCTCATTTGCTGTATCTATATATCT 60
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Db 121 CTGAGGCAATCGCTACTTCCGGGGCTACGGCTGCTATGAGCCACGCCCATACATCA 180
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Db 181 AACTTATTACTGGCTTCCCTTTACCTCCTTGGCTTTTTCATGCTGGTGGAGGGAACCTTG 240
QY 1110 TCTTGTGTCACCTACACCTTTGGGCTTCCGCAATGAATTCAGAACTTACTCTCTGGCCA 1169
Db 241 TCTTGTGTCACCTACACCTTTGGGCTTCCGCAATGAATTCAGAACTTACTCTCTGGCCA 300
QY 1170 TCATGCTCTCGGCCACTTTAACCCATCCCATCTGCGAGTGGTTCCTTGACCCCGTTGGCA 1229
Db 301 TCATGCTCTCGGCCACTTTAACCCATCCCATCTGCGAGTGGTTCCTTGACCCCGTTGGCA 360
QY 1230 AGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCATTTCTCATCTTCTGGTGGCC 1289
Db 361 AGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCATTTCTCATCTTCTGGTGGCC 420
QY 1290 TCATGGAGAGTAACCTCATCATATGCGGTAGCTGTGGCAGCTGGCATCTGATGGG 1349
Db 421 TCATGGAGAGTAACCTCATCATATGCGGTAGCTGTGGCAGCTGGCATCTGATGGG 480
QY 1350 CAGCTGCCTTCTTACTACCCCTGGTCCATGCTGCCTGATGTCTATGACCACTTCCATCTGA 1409
Db 481 CAGCTGCCTTCTTACTACCCCTGGTCCATGCTGCCTGATGTCTATGACCACTTCCATCTGA 540
QY 1410 AGCAGCCCCACTTCCATGGAACCGAGGCCAT 1440
Db 541 AGCAGCCCCACTTCCATGGAACCGAGGCCAT 571

RESULT 3

; Sequence 8, Application US/09573906
; Patent No. 6515202
; GENERAL INFORMATION:
; APPLICANT: Crane, Virginia C
; APPLICANT: Duwick, Jon
; APPLICANT: Sharma, Yogesh K
; APPLICANT: Crasta, Oswald
; APPLICANT: Folkerts, Otto
; TITLE OF INVENTION: GENES AND METHODS FOR INCREASING STRESS RESISTANCE IN
; FILE OF INVENTION: PLANTS
; FILE REFERENCE: 035718/198671
; CURRENT APPLICATION NUMBER: US/09/573,906
; CURRENT FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: 60/134,808
; PRIOR FILING DATE: 1999-05-19

; PRIOR APPLICATION NUMBER: 60/134,911
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 496
; TYPE: DNA
; ORGANISM: zea mays
; FEATURE:
; OTHER INFORMATION: n at positions 5, 29, 30, 43, 49, 109, and 189
; OTHER INFORMATION: can be a, t, g, or c
US-09-573-906-8

Query Match
Best Local Similarity 100.0%; Score 36; DB 4; Length 496;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
Db 103 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 68
|||||

RESULT 4

US-09-280-116-85
; Sequence 85, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 85
; LENGTH: 1021
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: aspartyl proteases
; NAME/KEY: misc_feature
; LOCATION: (1)..(1021)
; OTHER INFORMATION: n = a, t, c or g
US-09-280-116-85

Query Match
Best Local Similarity 100.0%; Score 36; DB 4; Length 1021;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
Db 2 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 37
|||||

RESULT 5

US-09-690-454-23/c
; Sequence 23, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:

; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: P2006p1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997

; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-690-454-23

Query Match
Best Local Similarity 100.0%; Score 36; DB 4; Length 1041;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
Db 40 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 5
|||||

RESULT 6

US-09-489-847-23/c
; Sequence 23, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:

; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031p1
; CURRENT APPLICATION NUMBER: US/09/489,847
; CURRENT FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 1052
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-489-847-23

Query Match
Best Local Similarity 100.0%; Score 36; DB 4; Length 1052;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
Db 40 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 5
|||||

RESULT 7

US-09-395-674B-7/c
; Sequence 7, Application US/09395674B
; Patent No. 6441151
; GENERAL INFORMATION:

APPLICANT: Gordon-kamm, William J.
APPLICANT: Lowe, Keith S.
APPLICANT: Simmons, Carl R.
TITLE OF INVENTION: Plant Prohibitin Genes and Their Use
FILE REFERENCE: 5718-54
CURRENT APPLICATION NUMBER: US/09/395,674B
CURRENT FILING DATE: 1999-09-14
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 1148
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc_feature
LOCATION: (0)...(0)
OTHER INFORMATION: Prohibitin - ZmPHB4
US-09-395-674B-7

Query Match 1.7%; Score 36; DB 4; Length 1148;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 36
|||||
Db 36 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 1

RESULT 8
US-08-794-796-1/c
Sequence 1, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1164 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
US-08-794-796-1

Query Match 1.7%; Score 36; DB 2; Length 1164;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 36
|||||
Db 36 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 1

RESULT 9
US-09-443-184-44/c
Sequence 44, Application US/09443184A
Patent No. 6372431
GENERAL INFORMATION:
APPLICANT: Cunningham, Mary Jane
APPLICANT: Zweiger, Gary
APPLICANT: Kaser, Matthew R.
APPLICANT: Panzer, Scott
APPLICANT: Seilhammer, Jeffrey J.
APPLICANT: Yue, Henry
APPLICANT: Baughn, Mariah
APPLICANT: Azimzai, Yalda
APPLICANT: Lal, Preeti
TITLE OF INVENTION: MAMMALIAN TOXICOLOGICAL RESPONSE MARKERS
FILE REFERENCE: PC-0007 US
CURRENT APPLICATION NUMBER: US/09/443,184A
CURRENT FILING DATE: 1999-11-19
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PERL Program
SEQ ID NO 44
LENGTH: 1376
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6372431 1461451CBI
US-09-443-184-44

Query Match 1.7%; Score 36; DB 4; Length 1376;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 36
|||||
Db 61 CGGACGCGTGGCGGCGGCGGTGGCGGCGCGCGTGGG 26

RESULT 10
US-09-280-116-1
Sequence 1, Application US/09280116A
Patent No. 6331427
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
FILE REFERENCE: 5800-24, 035800/176965
CURRENT APPLICATION NUMBER: US/09/280,116A
CURRENT FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 268
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 1504
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: trypsin-like serine proteases
US-09-280-116-1

Query Match 1.7%; Score 36; DB 4; Length 1504;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CGGACGGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 28 CGGACGGCGTGGCGGACGCGTGGCGGACGCGTGGG 63

RESULT 11

US-09-482-273-34/c
; Sequence 34, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: P2030P1
; CURRENT APPLICATION NUMBER: US/09/482,273
; CURRENT FILING DATE: 2000-01-13
; EARLIER APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 1737
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1674)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1731)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-482-273-34

Query Match 1.78; Score 36; DB 4; Length 1737;

Best Local Similarity 100.0%; Pred. No. 1.le-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CGGACGGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 41 CGGACGGCGTGGCGGACGCGTGGCGGACGCGTGGG 66

RESULT 12

US-09-996-243-277/c
; Sequence 277, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C13
; CURRENT APPLICATION NUMBER: US/09/996,243
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824

; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 1.7%; Score 36; DB 4; Length 4104;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 84 CGGACGGTGGCGGACGCGTGGCGGACGCGTGGG 49

RESULT 13

US-09-031-563-1/c
; Sequence 1, Application US/09031563A
; Patent No. 6022708
; GENERAL INFORMATION:
; APPLICANT: Frederic de Sauvage
; APPLICANT: Arnon Rosenthal
; TITLE OF INVENTION: Fused
; FILE REFERENCE: P1272
; CURRENT APPLICATION NUMBER: US/09/031.563A
; CURRENT FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 27
; SEQ ID NO 1
; LENGTH: 4880
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unknown N
; LOCATION: 4160, 4243, 4361
; OTHER INFORMATION: unknown
US-09-031-563-1

Query Match 1.7%; Score 36; DB 3; Length 4880;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 69 CGGACGGTGGCGGACGCGTGGCGGACGCGTGGG 34

RESULT 14
US-09-392-277-1/c
; Sequence 1, Application US/09392277A
; Patent No. 6451977
; GENERAL INFORMATION:
; APPLICANT: Frederic de Sauvage
; APPLICANT: Arnon Rosenthal
; TITLE OF INVENTION: Fused
; FILE REFERENCE: P1272R1P1
; CURRENT APPLICATION NUMBER: US/09/392,277A
; CURRENT FILING DATE: 1999-09-03
; EARLIER APPLICATION NUMBER: US 09/258,000
; EARLIER FILING DATE: 1999-02-25
; EARLIER APPLICATION NUMBER: US 60/076,072
; EARLIER FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 28
; SEQ ID NO 1
; LENGTH: 4880
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unknown N
; LOCATION: 4160, 4243, 4361
; OTHER INFORMATION: unknown
US-09-392-277-1

Query Match 1.7%; Score 36; DB 4; Length 4880;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||

Db 69 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 34
|||||

RESULT 15
US-09-258-000-1/c
; Sequence 1, Application US/09258000
; Patent No. 6531579
; GENERAL INFORMATION:
; APPLICANT: Frederic de Sauvage
; APPLICANT: Arnon Rosenthal
; TITLE OF INVENTION: Fused
; FILE REFERENCE: P1272R1
; CURRENT APPLICATION NUMBER: US/09/258,000
; CURRENT FILING DATE: 1999-02-25
; EARLIER APPLICATION NUMBER: US 60/076,072
; EARLIER FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 27
; SEQ ID NO 1
; LENGTH: 4880
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unknown N
; LOCATION: 4160
; OTHER INFORMATION: unknown
; FEATURE:
; NAME/KEY: unknown N
; LOCATION: 4243
; OTHER INFORMATION: unknown
; FEATURE:
; NAME/KEY: unknown N
; LOCATION: 4361
; OTHER INFORMATION: unknown
US-09-258-000-1

Query Match 1.7%; Score 36; DB 4; Length 4880;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||

Db 69 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 34

RESULT 16
US-09-620-312D-623/c
; Sequence 623, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Duanrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Fillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pc_FL_genes Version 1.0
; SEQ ID NO 623
; LENGTH: 5310
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (311)..(1606)
US-09-620-312D-623

Query Match 1.7%; Score 36; DB 4; Length 5310;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||

Db 88 CGGACGGGTGGCGGACGCGTGGCGGACGCGTGGG 53
|||||

RESULT 17
US-09-261-907-1/c
; Sequence 1, Application US/09261907A
; Patent No. 6294364
; GENERAL INFORMATION:
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: LONSDALE, JOHN
; APPLICANT: BERGSMAN, DEBK J.
; APPLICANT: MOONEY, JEFFREY L.
; APPLICANT: DEPIERA, MEGAN E.
; APPLICANT: CHAPMAN, CONRAD
; TITLE OF INVENTION: HUMAN FAS
; FILE REFERENCE: GP-70603
; CURRENT APPLICATION NUMBER: US/09/261,907A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 8519

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; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-09-261-907-1

Query Match      1.7%; Score 36; DB 3; Length 8519;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGTGGCGGCGGCGTGGCGGACGCGTGGG 36
    |||||
Db 41 CGGACGGTGGCGGCGGCGTGGCGGACGCGTGGG 6

RESULT 18
US-08-724-394A-19/c
; Sequence 19, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereof
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1780 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..1780
; OTHER INFORMATION: /note= "cDNA 22E"
US-08-724-394A-19

Query Match      1.5%; Score 33; DB 2; Length 1780;
Best Local Similarity 100.0%; Pred. No. 3e-06;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGTGGCGGCGGCGTGGCGGACGCGT 33
    |||||
Db 33 CGGACGGTGGCGGCGGCGTGGCGGACGCGT 1
```

```
RESULT 19
US-09-254-465A-7/c
; Sequence 7, Application US/09254465A
; Patent No. 6410708
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Napier, Mary A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
; TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
; FILE REFERENCE: P1216R1(US)
; CURRENT APPLICATION NUMBER: US/09/254,465A
; CURRENT FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: PCT/US98/24855
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: US 60/066,364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 60/078,936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: PCT/US98/19437
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 30
; SEQ ID NO 7
; LENGTH: 2181
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-254-465A-7

Query Match      1.4%; Score 30; DB 4; Length 2181;
Best Local Similarity 100.0%; Pred. No. 8.5e-05;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGTGGCGGACGCGTGGCGGCGGACGCGTGGG 36
    |||||
Db 30 CGTGGCGGACGCGTGGCGGCGGACGCGTGGG 1

RESULT 20
US-09-254-465A-11/c
; Sequence 11, Application US/09254465A
; Patent No. 6410708
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Napier, Mary A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
; TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
; FILE REFERENCE: P1216R1(US)
; CURRENT APPLICATION NUMBER: US/09/254,465A
; CURRENT FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: PCT/US98/24855
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: US 60/066,364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 60/078,936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: PCT/US98/19437
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 30
; SEQ ID NO 11
; LENGTH: 2181
; TYPE: DNA
; ORGANISM: Homo sapiens
```

US-09-254-465A-11

Query Match 1.4% Score 30; DB 4; Length 2181;
Best Local Similarity 100.0%; Pred. No. 8.5e-05;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 30 CGTGGCGGACGCGTGGCGGACGCGTGGG 1

RESULT 21

US-09-996-243-433/c

; Sequence 433, Application US/09996243

; Patent No. 6478825

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730P1C13

; CURRENT APPLICATION NUMBER: US/09/996,243

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/087106

; PRIOR FILING DATE: 1998-05-28

; PRIOR APPLICATION NUMBER: 60/087607

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087609

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087759

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087827

; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948

;
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 1.3%; Score 28; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.00085;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1855 AGGGAAGTGAAGACTCAAGAGGTGGCC 1882

Db 28 AGGGAAGTGAAGACTCAAGAGGTGGCC 1

RESULT 22

US-09-280-116-48/c
; Sequence 48, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280/116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: zinc carboxypeptidases
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(546)
; OTHER INFORMATION: n = a, t, c or g
US-09-280-116-48

Query Match 1.3%; Score 28; DB 4; Length 546;
Best Local Similarity 100.0%; Pred. No. 0.00081;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGGTGGCGGACGCGTGGCGGA 28

Db 43 CGGACGGGTGGCGGACGCGTGGCGGA 16

RESULT 23

US-08-991-946A-2/c
; Sequence 2, Application US/08991946A
; Patent No. 5945306
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Tang, Tom Y.
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: RAS PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991,946A
; FILING DATE: December 16, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0445 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555

; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1619 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: TLYMN001
; CLONE: 143362
US-08-991-946A-2

Query Match 1.2%; Score 28; DB 2; Length 1619;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGCGGCGGCGGA 28
|||||
Db 38 CGGACGCGTGGCGGCGGCGGCGGA 11
|||||

RESULT 24

US-09-280-116-166
; Sequence 166, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26

; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 166
; LENGTH: 493
; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: trypsin-like serine proteases

US-09-280-116-166

Query Match 1.2%; Score 26; DB 4; Length 493;
Best Local Similarity 100.0%; Pred. No. 0.0076;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGACGCGTGGCGGCGGCGGTGGG 37
|||||
Db 6 GCGACGCGTGGCGGCGGCGGTGGG 31
|||||

RESULT 25

US-09-392-184-20
; Sequence 20, Application US/09392184
; Patent No. 6395889
; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN
; PROTEASE HOMOLOGS
; FILE REFERENCE: 5800-55
; CURRENT APPLICATION NUMBER: US/09/392,184
; CURRENT FILING DATE: 1999-09-09

; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 493
; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

; LOCATION: (1)...(493)
; OTHER INFORMATION: trypsin (trypsin-like serine proteases)
; NAME/KEY: misc_feature
; LOCATION: (1)...(493)

; OTHER INFORMATION: n = A,T,C or G
US-09-392-184-20

Query Match 1.2%; Score 26; DB 4; Length 493;
Best Local Similarity 100.0%; Pred. No. 0.0076;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGACGCGTGGCGGCGGCGGTGGG 37
|||||
Db 6 GCGACGCGTGGCGGCGGCGGTGGG 31
|||||

RESULT 26

US-09-280-116-47
; Sequence 47, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26

; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 508
; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: zinc carboxypeptidases

US-09-280-116-47

Query Match 1.2%; Score 26; DB 4; Length 508;
Best Local Similarity 100.0%; Pred. No. 0.0076;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGACGCGTGGCGGCGGCGGTGGG 37
|||||
Db 12 GCGACGCGTGGCGGCGGCGGTGGG 37
|||||

RESULT 27

US-09-336-536-74
; Sequence 74, Application US/09336536
; Patent No. 6406884
; GENERAL INFORMATION:

; APPLICANT: Leiby, K.
; APPLICANT: McKay, C.
; APPLICANT: Bossone, S.
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
; FILE REFERENCE: 7853-144
; CURRENT APPLICATION NUMBER: US/09/336,536
; CURRENT FILING DATE: 1999-06-18

; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 74
; LENGTH: 601
; TYPE: DNA

; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: modified_base

; LOCATION: all "n" positions
; OTHER INFORMATION: n=a, c, g, or t
US-09-336-536-74

Query Match 1.2%; Score 26; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 0.0075;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGACGCGTGGCGGCGGCGGTGGG 37
|||||
Db 34 GCGACGCGTGGCGGCGGCGGTGGG 59
|||||

RESULT 28

US-09-257-583-12/c
; Sequence 12, Application US/09257583A
; Patent No. 6429362
; GENERAL INFORMATION:
; APPLICANT: Crane, Virginia
; TITLE OF INVENTION: Family Of Maize PR-1 Genes And Promoters
; FILE REFERENCE: 5718-32, 035718/175219
; CURRENT APPLICATION NUMBER: US/09/257,583A
; CURRENT FILING DATE: 1999-02-25
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 749
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(583)
US-09-257-583-12

Query Match 1.2%; Score 26; DB 4; Length 749;
Best Local Similarity 100.0%; Pred. No. 0.0075;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 26 GCGGACGCGTGGCGGACGCGTGGG 1

RESULT 29

US-09-634-955B-10
; Sequence 10, Application US/09634955B
; Patent No. 6511834
; GENERAL INFORMATION:
; APPLICANT: Mevers, Rachel
; APPLICANT: Cook, William James
; TITLE OF INVENTION: 32142, 21481, 25964, 21686, NOVEL HUMAN DEHYDROGENASE
; FILE REFERENCE: MNT-134
; CURRENT APPLICATION NUMBER: US/09/634,955B
; CURRENT FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/192,002
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.
; SEQ ID NO 10
; LENGTH: 1209
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (61)..(1026)
US-09-634-955B-10

Query Match 1.2%; Score 26; DB 4; Length 1209;
Best Local Similarity 100.0%; Pred. No. 0.0075;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGG 26
|||||
Db 25 CGGACGCGTGGCGGACGCGTGGCGG 50

RESULT 30

US-09-372-422A-17/c
; Sequence 17, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof

; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1384
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (95)...(959)
US-09-372-422A-17

Query Match 1.2%; Score 26; DB 4; Length 1384;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 36 GCGGACGCGTGGCGGACGCGTGGG 11

RESULT 31

US-09-409-180A-2/c
; Sequence 2, Application US/09409180A
; Patent No. 6444802
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: White, David
; APPLICANT: Silos-Santiago, Inmaculada
; TITLE OF INVENTION: 22196, A No. 6444802el Human Amino peptidase
; FILE REFERENCE: 5800-59
; CURRENT APPLICATION NUMBER: US/09/409,180A
; CURRENT FILING DATE: 1999-09-30
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 2864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (300)...(2414)
US-09-409-180A-2

Query Match 1.2%; Score 26; DB 4; Length 2864;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
Db 276 GCGGACGCGTGGCGGACGCGTGGG 251

RESULT 32

US-09-276-531-8
; Sequence 8, Application US/09276531
; Patent No. 6183968
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Reddy, Roopa
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING
; TITLE OF INVENTION: RECEPTORS AND PROTEINS ASSOCIATED WITH CELL PROLIFERATION
; NUMBER OF SEQUENCES: 134
; CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICANT: Robison, Keith E.
FILE REFERENCE: 5800-24, 035800/176965
CURRENT FILING DATE: 1999-03-26
PRIORITY APPLICATION NUMBER: US/09/276,531
FILING DATE: Herewith
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/079,677
FILING DATE: March 27, 1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Lynn E. Murry, Ph.D.
REGISTRATION NUMBER: 42,918
REFERENCE/DOCKET NUMBER: PA-0008 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 3556 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LIVRUT01
CLONE: 1753826
US-09-276-531-8

Query Match 1.2%; Score 26; DB 3; Length 3556;
Best Local Similarity 100.0%; Pred. No. 0.0073;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 GCGGACGCGTGGCGGACGCGTGGG 36
DB 9 GCGGACGCGTGGCGGACGCGTGGG 34

RESULT 33

US-09-280-116-50/c
Sequence 50, Application US/09280116A
Patent No. 6331427

GENERAL INFORMATION:

APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
FILE REFERENCE: 5800-24, 035800/176965
CURRENT APPLICATION NUMBER: US/09/280,116A
CURRENT FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 268
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 50

LENGTH: 212

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: zinc carboxypeptidases

US-09-280-116-50

Query Match 1.2%; Score 25; DB 4; Length 212;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
DB 44 GCGGACGCGTGGCGGACGCGTGGG 20

RESULT 34

US-09-280-116-45
Sequence 45, Application US/09280116A
Patent No. 6331427

GENERAL INFORMATION:

APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
FILE REFERENCE: 5800-24, 035800/176965
CURRENT APPLICATION NUMBER: US/09/280,116A
CURRENT FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 268
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 45

LENGTH: 351

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: zinc carboxypeptidases

US-09-280-116-45

Query Match 1.2%; Score 25; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGG 25
DB 12 CGGACGCGTGGCGGACGCGTGGG 36

RESULT 35

US-09-569-804-18/c
Sequence 18, Application US/09569804
Patent No. 6508962

GENERAL INFORMATION:

APPLICANT: Bougri, Oleg
APPLICANT: Rommens, Caius
APPLICANT: Srivastava, Neelam
APPLICANT: Swords, Kathleen M.
TITLE OF INVENTION: Acquired Resistance Genes in Plants
FILE REFERENCE: 38-21(15415)
CURRENT APPLICATION NUMBER: US/09/569,804
CURRENT FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: 60/133,965
PRIORITY FILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 18

LENGTH: 640

TYPE: DNA

ORGANISM: Zea mays

US-09-569-804-18

Query Match 1.2%; Score 25; DB 4; Length 640;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
DB 40 GCGGACGCGTGGCGGACGCGTGGG 16

RESULT 36

US-08-950-720A-1
Sequence 1, Application US/08950720A
Patent No. 6046028

GENERAL INFORMATION:

APPLICANT: Conklin, Darrell C.
APPLICANT: Lofton-Day, Catherine E.
APPLICANT: Lok, Si
APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION: INSULIN HOMOLOG

```
;
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/950,720A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 96-09
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 792 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 77..481
; OTHER INFORMATION:
;
; US-08-950-720A-1
;
; Query Match 1.2%; Score 25; DB 3; Length 792;
; Best Local Similarity 100.0%; Pred. No. 0.023;
; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
; Db 17 GCGGACGCGTGGCGGACGCGTGGG 41
;
; RESULT 37
; US-09-072-993C-5/c
; Sequence 5, Application US/09072993C
; Patent No. 6346388
; GENERAL INFORMATION:
; APPLICANT: Michael R. Brigham-Burke
; APPLICANT: Peter R. Young
; TITLE OF INVENTION: A METHOD OF IDENTIFYING AGONIST AND
; TITLE OF INVENTION: ANTAGONISTS FOR TUMOR NECROSIS RELATED RECEPTORS TR1 AND TR2
; FILE REFERENCE: GH-50030
; CURRENT APPLICATION NUMBER: US/09/072,993C
; CURRENT FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/055,513
; PRIOR FILING DATE: 1997-08-13
; PRIOR APPLICATION NUMBER: 60/056,980
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/057,550
; PRIOR FILING DATE: 1997-08-29
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 810
; TYPE: DNA
;
; ORGANISM: Homo sapiens
; US-09-072-993C-5
;
; Query Match 1.2%; Score 25; DB 4; Length 810;
; Best Local Similarity 100.0%; Pred. No. 0.023;
; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
; Db 25 GCGGACGCGTGGCGGACGCGTGGG 1
;
; RESULT 38
; US-09-620-312D-657/c
; Sequence 657, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 657
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)..(826)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1098)
; OTHER INFORMATION: n = a,t,c or g
;
; US-09-620-312D-657
;
; Query Match 1.2%; Score 25; DB 4; Length 1098;
; Best Local Similarity 100.0%; Pred. No. 0.023;
; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
; Db 81 GCGGACGCGTGGCGGACGCGTGGG 57
;
; RESULT 39
; US-09-634-955B-10/c
; Sequence 10, Application US/09634955B
; Patent No. 6511834
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
```


; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 239
; LENGTH: 1250
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-205-258-239

Query Match 1.2%; Score 25; DB 4; Length 1250;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGGC 25
|||||
Db 25 CGGACGCGTGGCGGACGCGTGGGC 1

RESULT 42
US-09-205-258-166/c
; Sequence 166, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007PI
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06

; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 166
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-205-258-166

Query Match 1.2%; Score 25; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGGC 25
|||||
Db 25 CGGACGCGTGGCGGACGCGTGGGC 1

RESULT 43
US-08-913-014A-6/c
; Sequence 6, Application US/08913014A
; Patent No. 6235878
; GENERAL INFORMATION:
; APPLICANT: Nishl, Kazunori
; APPLICANT: Hikichi, Yukiko
; APPLICANT: Shintani, Yasushi
; TITLE OF INVENTION: NOVEL FAS LIGAND-LIKE PROTEIN, ITS
; TITLE OF INVENTION: PRODUCTION AND USE
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David G. Conlin, Esq.
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & USHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston,

; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,014A
; FILING DATE: 04-SEP-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP97/02480
; FILING DATE: July 17, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: David G. Conlin
; REGISTRATION NUMBER: 27,026
; REFERENCE/DOCKET NUMBER: 342/47694
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1353
; TYPE: Nucleic acid
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA
US-08-913-014A-6

Query Match 1.2%; Score 25; DB 3; Length 1353;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
Db 25 GCGGACGCGTGGCGGACGCGTGGG 1

RESULT 44

US-09-569-804-16/c
; Sequence 16, Application US/09569804
; Patent No. 6506962
; GENERAL INFORMATION:
; APPLICANT: Bougri, Oleg
; APPLICANT: Rommens, Caius
; APPLICANT: Srivastava, Neelam
; APPLICANT: Swords, Kathleen M
; TITLE OF INVENTION: Acquired Resistance Genes in Plants
; FILE REFERENCE: 38-21(15415)
; CURRENT APPLICATION NUMBER: US/09/569,804
; CURRENT FILING DATE: 2000-05-12
; PRIOR APPLICATION NUMBER: 60/133,965
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: DNA
; ORGANISM: Zea mays
US-09-569-804-16

Query Match 1.2%; Score 25; DB 4; Length 1385;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
Db 40 GCGGACGCGTGGCGGACGCGTGGG 16

RESULT 45
US-09-122-315C-9/c
; Sequence 9, Application US/09122315C
; Patent No. 6476294
; GENERAL INFORMATION:
; APPLICANT: Michael W. Lassner
; APPLICANT: Diane Ruezinsky
; TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases
; FILE REFERENCE: 17026/00/US
; CURRENT APPLICATION NUMBER: US/09/122,315C
; CURRENT FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: IBM PC: Windows NT 4.0; Microsoft Word for Windows 7.0a
; SEQ ID NO 9
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Zea mays
US-09-122-315C-9

Query Match 1.2%; Score 25; DB 4; Length 1389;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
Db 30 GCGGACGCGTGGCGGACGCGTGGG 6

RESULT 46

US-09-360-376-9/c
; Sequence 9, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Zea mays
US-09-360-376-9

Query Match 1.2%; Score 25; DB 4; Length 1389;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
Db 30 GCGGACGCGTGGCGGACGCGTGGG 6

RESULT 47

US-09-391-741A-3
; Sequence 3, Application US/09391741A
; Patent No. 6555732
; GENERAL INFORMATION:
; APPLICANT: Duvick, Jonathan P.
; APPLICANT: Sharma, Yogesh Kumar
; TITLE OF INVENTION: Rac-Like Genes and Methods of Use
; FILE REFERENCE: 0866D
; CURRENT APPLICATION NUMBER: US/09/391,741A
; CURRENT FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: 60/111,919
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 60/100,284
; PRIOR FILING DATE: 1998-09-14

; PRIOR APPLICATION NUMBER: 09/391,741
; PRIOR FILING DATE: 1999-09-08
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 1393
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (398)...(988)
US-09-391-741A-3

Query Match 1.2%; Score 25; DB 4; Length 1393;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
DB 17 GCGGACGCGTGGCGGACGCGTGGG 41

RESULT 48

US-09-391-741A-17
; Sequence 17, Application US/09391741A
; Patent No. 6555732
; GENERAL INFORMATION:
; APPLICANT: Duivick, Jonathan P.
; APPLICANT: Sharma, Yogesh Kumar
; TITLE OF INVENTION: Rac-Like Genes and Methods of Use
; FILE REFERENCE: 0866D
; CURRENT APPLICATION NUMBER: US/09/391,741A
; CURRENT FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: 60/111,919
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 60/100,284
; PRIOR FILING DATE: 1998-09-14
; PRIOR APPLICATION NUMBER: 09/391,741
; PRIOR FILING DATE: 1999-09-08
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 1393
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (398)...(988)
US-09-391-741A-17

Query Match 1.2%; Score 25; DB 4; Length 1393;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
DB 17 GCGGACGCGTGGCGGACGCGTGGG 41

RESULT 49

US-09-391-741A-27
; Sequence 27, Application US/09391741A
; Patent No. 6555732
; GENERAL INFORMATION:
; APPLICANT: Duivick, Jonathan P.
; APPLICANT: Sharma, Yogesh Kumar
; TITLE OF INVENTION: Rac-Like Genes and Methods of Use
; FILE REFERENCE: 0866D
; CURRENT APPLICATION NUMBER: US/09/391,741A
; CURRENT FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: 60/111,919
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 60/100,284

; PRIOR FILING DATE: 1998-09-14
; PRIOR APPLICATION NUMBER: 09/391,741
; PRIOR FILING DATE: 1999-09-08
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 1393
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (398)...(988)
US-09-391-741A-27

Query Match 1.2%; Score 25; DB 4; Length 1393;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 GCGGACGCGTGGCGGACGCGTGGG 36
|||||
DB 17 GCGGACGCGTGGCGGACGCGTGGG 41

RESULT 50

US-09-996-243-35
; Sequence 35, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C13
; CURRENT APPLICATION NUMBER: US/09/996,243
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28


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Query Match      1.28; Score 25; DB 4; Length 1395;
Best Local Similarity 100.0%; Pred.No. 0.023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 CGGACGCGTGGGCGGACGCGTGGG 37
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Db 1 CGGACGCGTGGGCGGACGCGTGGG 25

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Search completed: September 24, 2003, 19:41:06
Job time : 176 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 12:21:25 ; Search time 136 Seconds
(without alignments)
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Title: US-09-991-150-19

Perfect score: 2142

Sequence: 1 cggacgtggcgacgcg.....tttcataaaagctggaagc 2142

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	44.6	2.1	7742	2	US-08-882-704A-4
5	44.6	2.1	11282	4	US-09-151-957-4
6	44.6	2.1	11282	4	US-09-754-250-3
7	44.2	2.1	289	3	US-09-007-005-17
8	44.2	2.1	289	3	US-09-244-796-17
9	43.8	2.0	1021	4	US-09-280-116-85
10	43.4	2.0	1187	5	PCT-US95-13536-2
11	40.4	1.9	4403765	3	US-09-103-840A-2
12	40.4	1.9	4411529	3	US-09-103-840A-1
13	40.2	1.9	1188	5	PCT-US95-13536-1
14	40.2	1.9	7218	1	US-08-232-463-14
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16	40.2	1.9	4411529	3	US-09-103-840A-1
17	39.6	1.8	4480	3	US-09-191-171-7
18	39.6	1.8	4480	3	US-09-385-707-7
19	39.6	1.8	6238	4	US-09-639-696C-6
20	38.4	1.8	1028	3	US-08-118-200-1
21	38.4	1.8	1028	3	US-08-458-745-1
22	38.4	1.8	1443	4	US-09-252-991A-3554
23	38.4	1.8	1830	4	US-09-252-991A-3563
24	38.4	1.8	1926	4	US-09-252-991A-3531
25	38.4	1.8	4104	4	US-09-996-243-277
26	38.2	1.8	3047	4	US-09-016-434-1465
27	38	1.8	1905	1	US-07-832-855-3

ALIGNMENTS

RESULT 1

US-09-996-243-19
; Sequence 19, Application US/09996243

; Patent No. 6478825

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C13

; CURRENT APPLICATION NUMBER: US/09/996,243

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

Sequence 261, Appl
Sequence 6, Appli
Sequence 6, Appli
Sequence 1, Appli
Sequence 16, Appl
Sequence 15927, A
Sequence 44, Appl
Sequence 15892, A
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 13588, A
Sequence 13477, A
Sequence 13857, A
Sequence 1, Appli

38 1.8 45325 4 US-09-453-702B-261
37.8 1.8 3013 2 US-09-096-982-6
30 37.8 1.8 3013 2 US-08-653-650A-6
31 37.4 1.7 35081 2 US-08-752-760A-1
32 37.4 1.7 152331 3 US-09-128-155-16
33 37.2 1.7 1107 4 US-09-252-991A-15927
34 37.2 1.7 1147 2 US-08-761-277A-44
35 37.2 1.7 1482 4 US-09-252-991A-15892
36 37 1.7 797 1 US-08-332-467B-2
37 37 1.7 797 1 US-08-681-811-2
38 37 1.7 797 5 PCT-US93-12507-2
39 37 1.7 4880 3 US-09-031-563-1
40 37 1.7 4880 4 US-09-392-277-1
41 37 1.7 4880 4 US-09-258-000-1
42 36.8 1.7 1140 4 US-09-252-991A-13588
43 36.8 1.7 1233 4 US-09-252-991A-13477
44 36.8 1.7 1263 4 US-09-252-991A-13857
45 36.8 1.7 68750 3 US-09-335-409-1


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: PRIOR APPLICATION NUMBER: 60/091978
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/091982
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/092182
: PRIOR FILING DATE: 1998-07-09

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Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2142;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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Qy	61	CCGTGGCTAAGGCTGCTACGAAGCGAGCTTTGGGAGGACGACGCGCTGCGGGGCGAGAGGA	120	
Db	61	CCGTGGCTAAGGCTGCTACGAAGCGAGCTTTGGGAGGACGACGCGCTGCGGGGCGAGAGGA	120	
Qy	121	GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCGCGGGTCAATGGCCAAAGAGAGAAGGC	180	
Db	121	GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCGCGGGTCAATGGCCAAAGAGAGAAGGC	180	
Qy	181	GCGGAGAGCGGCTCCGCGGGGGGCTGCTACCCACCAAGCAATCCCTCCAAAGCACTGAACGC	240	
Db	181	GCGGAGAGCGGCTCCGCGGGGGGCTGCTACCCACCAAGCAATCCCTCCAAAGCACTGAACGC	240	
Qy	241	CCGGCCAGCTGAAGAAAGAACCCGAAAGAAAGAAACAAACAGTTGTCTGTTTGCACAAAG	300	
Db	241	CCGGCCAGCTGAAGAAAGAACCCGAAAGAAAGAAACAAACAGTTGTCTGTTTGCACAAAG	300	
Qy	301	CTTTGCTATGCACCTTGGGGGAGCCCCCTACCAAGTGAAGGCGCTGTGCCCTGGGTTTCTTC	360	
Db	301	CTTTGCTATGCACCTTGGGGGAGCCCCCTACCAAGTGAAGGCGCTGTGCCCTGGGTTTCTTC	360	
Qy	361	CTTCAGATCTACCTATTGGATGGGCTCAGTGGGGCCCTTTCTCTGCGCTCCTCATCATCTG	420	
Db	361	CTTCAGATCTACCTATTGGATGGGCTCAGTGGGGCCCTTTCTCTGCGCTCCTCATCATCTG	420	
Qy	421	TTTGTGGGCGGAGCGCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGTCATCAGCAAA	480	
Db	421	TTTGTGGGCGGAGCGCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGTCATCAGCAAA	480	
Qy	481	TCCCGCTGGACCTGGCTGGGCTGATGGCCCTGGATCATCTCTCTCACGCGCCCTGGCC	540	
Db	481	TCCCGCTGGACCTGGCTGGGCTGATGGCCCTGGATCATCTCTCTCACGCGCCCTGGCC	540	
Qy	541	GTCAATGCCCTACTTCCCTCATCTGGTTCGTGGCCGACCTTCCACAGGGCGACACCTATTGG	600	
Db	541	GTCAATGCCCTACTTCCCTCATCTGGTTCGTGGCCGACCTTCCACAGGGCGGACACCTATTGG	600	
Qy	601	TACCTGCTTTTCTATTGCCCTTTTGAACAAATGCTACGCTTTTCCATGTTCCCTACTCG	660	
Db	601	TACCTGCTTTTCTATTGCCCTTTTGAACAAATGCTACGCTTTTCCATGTTCCCTACTCG	660	
Qy	661	GCCTCACCATGTTTCATCAGCAACCGAGGACACTGAGGGGATTTCTGCCACCGCTATCG	720	
Db	661	GCCTCACCATGTTTCATCAGCAACCGAGGACACTGAGGGGATTTCTGCCACCGCTATCG	720	
Qy	721	GATGACTGTGGAAGTGTGGGACAGTGTGGGACCGCGATCCAGGGACAAATCGTGGG	780	
Db	721	GATGACTGTGGAAGTGTGGGACAGTGTGGGACCGCGATCCAGGGACAAATCGTGGG	780	
Qy	781	CCAAGCAGACACGCGTTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840	
Db	781	CCAAGCAGACACGCGTTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840	
Qy	841	CAACCATACATATGGCACCACTTCACACAGGGAACGCAAAAGCATACCTGTGGGACG	900	
Db	841	CAACCATACATATGGCACCACTTCACACAGGGAACGCAAAAGCATACCTGTGGGACG	900	
Qy	901	GGGGGTCATTGTCTGTATCTATATAATCTGTGCTGTCTCATCTGTGCTGGGCGTGGGGA	960	

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Db 2101 GTGAGCTATTAACTTTATTTATTTTCATAAAAGCTGGAAGC 2142
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RESULT 2

US-09-996-243-21
; Sequence 21, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC13
; CURRENT APPLICATION NUMBER: US/09/996,243
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
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; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19

; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 26.7%; Score 571; DB 4; Length 571;
Best Local Similarity 100.0%; Pred. No. 1.8e-145;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 870 GGAAGCAAGGCAATCTGCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 929
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Db 1 GGAAGCAAGGCAATCTGCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 60
QY 930 GTGCTGTATCTCTGATCTTGGCGTGGGAGCAGAGAACCCCTATGAAGCCAGAGT 989
|||||
Db 61 GTGCTGTATCTCTGATCTTGGCGTGGGAGCAGAGAACCCCTATGAAGCCAGAGT 120
|||||
QY 990 CTGAGCCAATCGCCTACTTCCGGGGCTACGGCTGGTCATGAGCAGCGGCCATACATCA 1049
|||||
Db 121 CTGAGCCAATCGCCTACTTCCGGGGCTACGGCTGGTCATGAGCAGCGGCCATACATCA 180
|||||
QY 1050 AACTTATTACTGGCTTCTTCCACTTCTTGGCTTTCATGCTGGTGGAGGGGAACTTG 1109
|||||
Db 181 AACTTATTACTGGCTTCTTCCACTTCTTGGCTTTCATGCTGGTGGAGGGGAACTTG 240
|||||
QY 1110 TCTTGTGTTTGCACCTACACCTTGGGCTTCCGCAATGAATCCAGAATCTACTCTCTGGCCA 1169
|||||
Db 241 TCTTGTGTTTGCACCTACACCTTGGGCTTCCGCAATGAATCCAGAATCTACTCTCTGGCCA 300
|||||
QY 1170 TCATGCTCTCGGCCACTTTAAACCATTCCTGATCTGGCAGTGGTCTTGACCCGGTTTGGCA 1229
|||||
Db 301 TCATGCTCTCGGCCACTTTAAACCATTCCTGATCTGGCAGTGGTCTTGACCCGGTTTGGCA 360
|||||
QY 1230 AGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGGCCATTTCTCATCTTGGTGGCCC 1289
|||||
Db 361 AGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGGCCATTTCTCATCTTGGTGGCCC 420
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QY 1290 TCATGGAGAGTAACCTCATCATATGCTGCTAGCTGTGGCAGCTGGCATCAGTGTGG 1349
|||||
Db 421 TCATGGAGAGTAACCTCATCATATGCTGCTAGCTGTGGCAGCTGGCATCAGTGTGG 480
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QY 1350 CAGTGCCTTCTTACTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1409
|||||
Db 481 CAGTGCCTTCTTACTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
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QY 1410 AGCAGCCCCACTTCCATGGAAACGAGCCAT 1440
|||||
Db 541 AGCAGCCCCACTTCCATGGAAACGAGCCAT 571
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RESULT 3
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
CLONE: ptzpt-Fls
US-08-232-463-14

Query Match 3.0%; Score 64.2; DB 1; Length 7218;
Best Local Similarity 3.2%; Pred. No. 2.7e-07;
Matches 12; Conservative 225; Mismatches 138; Indels 0; Gaps 0;
QY 342 CTGTGCGCCCTGGGTTCTCTTCAGATCTACCTATTTGGATGTGGCTCAGTGGCCCTTT 401
Db 1082 YY 1141
QY 402 CTGTGCTCCATCATCTCTTGTGGCGGAGCCTGGATGCAATCACAGACCCCTGGT 461
Db 1142 YY 1201
QY 462 GGGCTCTGCATCAGCAATCCCGGACCTGGCTGGCTGGCTGGCTGGCTGGATCAT 521
Db 1202 YY 1261
QY 522 CTCTCCAGCCCTGGCGCTCATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 581
Db 1262 YY 1321
QY 582 ACAGCGCCAGACCTATGTACTGCTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 641
Db 1322 YY 1381
QY 642 TTTCCATGTCCTACTCGGCTCTCAGATGTTCTATCAGCAACCGAGAGACTGACGG 701
Db 1382 YY 1441
QY 702 ATTCTGCCACCGCT 716
Db 1442 ATTCTCTATCTCTT 1456

RESULT 4
US-08-882-704A-4
; Sequence 4, Application US/08882704A
; Patent No. 5879906
; GENERAL INFORMATION:
; APPLICANT: Jefferson, Richard A.
; APPLICANT: Wilson, Katherine J.
; TITLE OF INVENTION: GLUCURONIDE REPRESSORS AND USES THEREOF
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,704A
; FILING DATE: 25-JUN-1997

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5879906tenburg Ph.D., Carol
REGISTRATION NUMBER: 39,317
REFERENCE/DOCKET NUMBER: 190106.404
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 7742 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-882-704A-4
Query Match 2.1%; Score 44.6; DB 2; Length 7742;
Best Local Similarity 51.2%; Pred. No. 0.059;
Matches 104; Conservative 0; Mismatches 99; Indels 0; Gaps 0;
QY 264 GAAAAAGAGAAACACAGTTGTCTGTGTTGCAACAGCTTTGCTATGCACCTGGGGAGC 323
Db 3264 GCAACATGATCAACACTCTCTCGCGCACCATCTCGCTACACCGCTGGTGACGT 3323
QY 324 CCCCTACAGGTGAGCGGCTGTGCCCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 383
Db 3324 GCGCAATAACTTCGCTTCGCAATGGGGCGCTCTCTCTCTCTCTCTCTCTCTCTCT 3383
QY 384 GGTTCAGGTGGCGCTTCTCTGCTCTCATCATCTCTCTCTCTCTCTCTCTCTCTCTCT 443
Db 3384 CGTGGCGCTGCTGCGCTGCGCGGGGCGACCATGCTGTACTGTGGCGGGTATTCTGATGC 3443
QY 444 CATCACAGACCCCTGTGGGCC 466
Db 3444 CTTGCGCGACGCTTTGCGCGAC 3466

RESULT 5
US-09-151-957-4
; Sequence 4, Application US/09151957
; Patent No. 6429292
; GENERAL INFORMATION:
; APPLICANT: Jefferson, Richard A.
; APPLICANT: Wilson, Katherine J.
; APPLICANT: Leader, Michael
; TITLE OF INVENTION: GLUCURONIDE REPRESSORS AND USES THEREOF
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/151,957
; FILING DATE: 11-Sep-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/882,704
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6429292tenburg Ph.D., Carol
; REGISTRATION NUMBER: 39,317
; REFERENCE/DOCKET NUMBER: 190106.404
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031


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; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-244-796-17

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	Query Match	2.1%	Score 44.2;	DB 3;	Length 289;
	Best Local Similarity	7.1%;	Pred. No. 0.017;		
	Matches 16;	Conservative 101;	Mismatches 108;	Indels 0;	Gaps 0;
QY	399	TTTCTCGCCTCATCATCTCTGTTGTGGCCGAGCTGGATGCCATCAGACCCCT	458		
Db	269	TTTTTTTTTAAVGYCYAYAYGYTYTAYCYCYAAGCTYTGYSYNYNSYN	210		
QY	459	GGTGGCCTTCGATCATCAGAAATCCCCTGCACTGCTGGTGGCCTTATGCCCTGGAT	518		
Db	209	YNTSYNYNSYNYSYNYNSYNYSYNYNSYNYSYNYNSYNYSYNYNSYNYSYN	150		
QY	519	CATCTTCTCCACGCCCTGGCCGTCATGCTACTCTCATCTGGTTCGTGCCCGACT	578		
Db	149	YNTSYNYNSYNYSYNYNSYNYSYNYNSYNYSYNYNSYNYSYNYNSYNYSYN	90		
QY	579	CCACACGGCCACCACTATTGGTACCTGCTTTTCTATTGCTCTT	623		
Db	89	YNTSYNYNSYNYSYNYNSYNYSYNYNSYNYSYNYNYCYAYTYTGTY	45		

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RESULT 9
US-09-280-116-85
; Sequence 85, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 85
; LENGTH: 1021
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: aspartyl proteases
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1021)
; OTHER INFORMATION: n = a, t, c or g
US-09-280-116-85

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[illegible]

RESULT 10

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PCT-US95-13536-2
; Sequence 2, Application PC/TUS9513536
; GENERAL INFORMATION:
; APPLICANT: SKOPEK, THOMAS R
; TITLE OF INVENTION: SYNTHESIS OF METHYLASE RESISTANT GENES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ELLIOTT KORSEN
; STREET: 126 E. Lincoln Avenue, P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: US
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13536
; FILING DATE: 13-OCT-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: KORSEN, ELLIOTT
; REGISTRATION NUMBER: 32,705
; REFERENCE/DOCKET NUMBER: 19257Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-5493
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1187 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; PCT-US95-13536-2

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	Query Match Best Local Matches	2.0%; Similarity 89;	Score 43.4; Conservative	DB 5; Mismatches 0;	Length 1187; Indels 76;	Gaps 0;
QY	1246	TGTTGGATCTCATCAGCAGTGCACATTCTCATCTTGTGGCCCTCATGGAGAGTAACCT	1305			
Db	401	TGTTGGAGCCGTAAAGCAGCAGTGCACAACTGCTGGCCACGAGGTCAGTGCCT	450			
QY	1306	CATCATATACATATCGGTAGCTTGGCAGCTGGCAGTCAGTCAGTGGCAGTGCCTTCTTACT	1365			
Db	461	GATCATTAATACTACCATGGATGACCAGGATGCCATTGCTGTGGAAGCTGCCTGCACCAA	520			
QY	1366	ACCTCGTGCATGCTGCCTGATGTCAATTGACGACTTCCATCTGAA	1410			
Db	521	TGTTCCAGCCCTGTTTCTGGATGTCTCTGACCAAGCCCAATCAA	565			

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RESULT 11
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2

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; TITLE OF INVENTION: SYNTHESIS OF METHYLASE RESISTANT GENES
;
; NUMBER OF SEQUENCES: 2
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ELLIOTT KORSEN
; STREET: 126 E. Lincoln Avenue, P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: US
; ZIP: 07065
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13536
; FILING DATE: 13-OCT-1995
;
; CLASSIFICATION:
;
; ATTORNEY/AGENT INFORMATION:
; NAME: KORSEN, ELLIOTT
; REGISTRATION NUMBER: 32,705
; REFERENCE/DOCKET NUMBER: 19257Y
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-5493
; TELEFAX: (908) 594-4720
;
; INFORMATION FOR SEQ ID NO: 1:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1188 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
; MOLECULE TYPE: DNA (genomic)
;
; HYPOTHETICAL: NO
;
; ANTI-SENSE: NO
;
; FRAGMENT TYPE: internal
;
; PCT-US95-13536-1

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	Query Match	1.9%	Score 40.2	DB 5	Length 1188
	Best Local Similarity	52.7%	Pred. No. 0.4		
	Matches	87	Conservative	0	Mismatches 78; Indels 0; Gaps 0;
Qy	1246	TGTTGGGATCTCATCAGCAGTGC	CAATTC	TCTATCTTGGTGGCCCTCAT	TGAGAGTAACCT 1305
Db	401	TGTTGGGAAGCCCTGAAAGACAG	AGTGTGCA	ATCTGCTGGCCACCGTGTCA	TGAGTGGCCCT 460
Qy	1306	CATCATATACATATACGGT	AGCTGTGG	CAGTGCATCAGTGTGGCAGTGC	CTCTTCTTACT 1365
Db	461	GATCAATTA	CTATCCATGG	ATCACCAGGATGCCAT	TGCTGTGGAAGCTGCCTGCACCAA 520
Qy	1366	ACCTCGTGTCAGCTGCCT	GTAGTGTCA	TTCATGACGACTTCCAT	CTGAA 1410
Db	521	TGTTCCAGGCCCTTTTCT	TGATGTCTCT	GTACCAAGAGCCCCAATCAA	565

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RESULT 14
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 INMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: ptzgt-F15
US-08-232-463-14

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Query Match      1.9%;  Score 40.2;  DB 1;  Length 7218;
Best Local Similarity 3.9%;  pred. No. 0.9;
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[illegible]

RESULT 15

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US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24

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; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match          1.9%; Score 40.2; DB 3; Length 4403765;
Best Local Similarity 53.5%; Pred. No. 15;
Matches 84; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY      6  GCGTGGCGGACGCGTGGCGGACGCGTGGGGCGCGCTTGGCTAGCGCGCGCGCGCTG 65
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Db      925823  GCGGCGACGCTGGGGCCGCGTGGGACGCGCGCCCTGCTCGCCCTTGGCGACGGCGGCGCTG 925882

QY      66  GCTAAGGCTGCTACGAACGACGAGCTTGGGAGGAGCAGCGGCTCGGGGGCAGAGGAGCATC 125
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      925883  GCGGGGCGGGGCGCGCTACCAACCGAACCGCGGGGCGCGGGGGGTGGCAAG 925942

QY      126  CCGTCTACAGGTCCCAAGCGGCGTGGCCCGCGGGTC 162
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      925943  CGGGCGCTGCTTTTCGGCTCCGCTCCGGTGGGGCGCGGTGGGTC 925979

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Search completed: September 24, 2003, 15:51:57
Job time : 172 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 14:34:08 ; Search time 523 Seconds
(without alignments)
10195.965 Million cell updates/sec

Title: US-09-991-150-19

Perfect score: 2142

Sequence: 1 cggacgcgtggcgacgcg.....tttcataaaagctggaaagc 2142

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1678620 seqs, 1244745471 residues

Total number of hits satisfying chosen parameters: 3357240

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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6	2142	100.0	2142	10	US-09-989-732-19
7	2142	100.0	2142	10	US-09-991-073-19
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ALIGNMENTS

RESULT 1

US-09-989-722-19
; Sequence 19, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186

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Db 1861 CTGAAGACTCAAGAGGTGCCCGCCAGACACTTCTGTGCTCACTGTGGGGCGGCTGCTC 1920
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; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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RESULT 3

US-09-989-279-19
; Sequence 19, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
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; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PLC56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 9; Length 2142;

Best Local Similarity 100.0%; Pred. No. 0;

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; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Best Local Similarity 100.0%; Pred. No. 0;
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RESULT 5

US-09-991-731-19

; Sequence 19, Application US/09989731

; Patent No. US20020103125A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C70
; CURRENT APPLICATION NUMBER: US/09/989,731
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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3	PRIOR FILING DATE: 1998-07-02
3	PRIOR APPLICATION NUMBER: 60/091978
3	PRIOR FILING DATE: 1998-07-07
3	PRIOR APPLICATION NUMBER: 60/091982
3	PRIOR FILING DATE: 1998-07-07
3	PRIOR APPLICATION NUMBER: 60/092182
3	PRIOR FILING DATE: 1998-07-09

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RESULT 6
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; Sequence 19, Application US/09989732
; Patent No. US2020123463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavir, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

1561 CAAGTTTACACTGAACATGCTGTCGACCATGGCTCCCATAGTTCTCATCTCTGCTGGGCT 1620
Db 1561 CAAGTTTACACTGAACATGCTGTCGACCATGGCTCCCATAGTTCTCATCTCTGCTGGGCT 1620
Qy 1621 GCTGCTCTTCAAAATGTACCCATTTGATGAGGAGAGCGGCGGAGAGTAAGAAGGCCCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCATTTGATGAGGAGAGCGGCGGAGAGTAAGAAGGCCCT 1680
Qy 1681 GCAGGCACTGAGGACGAGCCAGCAGCTGCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCACTGAGGACGAGCCAGCAGCTGCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Qy 1741 GGCTAGCATCTCTAGGGCCCGCCACGTTGCCGAGCCACCATGTCAGAAAGGCCACAGAA 1800
Db 1741 GGCTAGCATCTCTAGGGCCCGCCACGTTGCCGAGCCACCATGTCAGAAAGGCCACAGAA 1800
Qy 1801 GGGATCAGGAGCTGCTGCGGCTTGTGACGAGCTGGACTGAGGAGGCTAGGAGGAGGAA 1860
Db 1801 GGGATCAGGAGCTGCTGCGGCTTGTGACGAGCTGGACTGAGGAGGCTAGGAGGAGGAA 1860
Qy 1861 CTGAAGACTCAAGAGAGTGGCCAGGACACTTGTGCTCCTCCTCCTGCTGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTCAAGAGAGTGGCCAGGACACTTGTGCTCCTCCTCCTGCTGGGCGGCTGCTC 1920
Qy 1921 TGTGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980
Db 1921 TGTGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980
Qy 1981 AATATGCAAGGAGCTGATGCGGCTTAGCCCGGAGACACTAATGTAGAAACCTTTTATTTAC 2040
Db 1981 AATATGCAAGGAGCTGATGCGGCTTAGCCCGGAGACACTAATGTAGAAACCTTTTATTTAC 2040
Qy 2041 AGAGCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
Db 2041 AGAGCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
Qy 2101 GTGAGCTATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2142
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20	PRIOR FILING DATE: 1998-06-17	
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33	PRIOR APPLICATION NUMBER: 60/089952	
34	PRIOR FILING DATE: 1998-06-19	
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51	PRIOR APPLICATION NUMBER: 60/090444	
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60/091978	PRIOR APPLICATION NUMBER: 60/091978
60/091978	PRIOR FILING DATE: 1998-07-07
60/091982	PRIOR APPLICATION NUMBER: 60/091982
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60/092182	PRIOR APPLICATION NUMBER: 60/092182
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Best Local Similarity	100.0%;	Pred. No. 0;		
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Qy	1	CGACGCGTGGGCGGACGCGTGGCGGCGGACCGCTGGGCGCGGCTTGGCTAGCGCGCGCGG	60	
Db	1	CGACGCGTGGGCGGACGCGTGGCGGCGGCTGGGCGCGGCTTGGCTAGCGCGCGCGG	60	
Qy	61	CCGTGGCTAAGGCTGTGTACGAAGCGAGCTTGGAGGAGCAGCGGCTTCGGGGCGAGAGGA	120	
Db	61	CCGTGGCTAAGGCTGTGTACGAAGCGAGCTTGGAGGAGCAGCGGCTTCGGGGCGAGAGGA	120	
Qy	121	GCATCCGCTACCAAGTCCCAAGCGCGTGGCCCGCGGCTCATGGGCCAAGAGAGAGGC	180	
Db	121	GCATCCGCTACCAAGTCCCAAGCGCGTGGCCCGCGGCTCATGGGCCAAGAGAGAGGC	180	
Qy	181	GCGAGAGCGGCTCCGCGGCGGGCTGCTACCCACGAGCATCTCCAAAGCAGCTGAAGCG	240	
Db	181	GCGAGAGCGGCTCCGCGGCGGGCTGCTACCCACGAGCATCTCCAAAGCAGCTGAAGCG	240	
Qy	241	CCGGCCAGGTGAAGAAAGAACCCGAAAAGAAAGAACACAGTTGTCTGTTTGCACCAAG	300	
Db	241	CCGGCCAGGTGAAGAAAGAACCCGAAAAGAAAGAACACAGTTGTCTGTTTGCACCAAG	300	
Qy	301	CTTTTGTATGCACCTTGGGGGAGGCCCTACGAGGTGACGGGCTGTGCCCTGGGTTTCTTC	360	
Db	301	CTTTTGTATGCACCTTGGGGGAGGCCCTACGAGGTGACGGGCTGTGCCCTGGGTTTCTTC	360	
Qy	361	CTTCAGATCATTTTGGATGTGGCTCAGGTGGGCGCTTTTCTGTGCTCCATCATCTG	420	
Db	361	CTTCAGATCATTTTGGATGTGGCTCAGGTGGGCGCTTTTCTGTGCTCCATCATCTG	420	
Qy	421	TTTTTGGGCGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCGCTTGCATCAGCAAA	480	
Db	421	TTTTTGGGCGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCGCTTGCATCAGCAAA	480	
Qy	481	TCCCGCTGGACCTGGCTGGGCTTATGCGCTTGGATCATCTTCCACGCGCCCTGGCC	540	
Db	481	TCCCGCTGGACCTGGCTGGGCTTATGCGCTTGGATCATCTTCCACGCGCCCTGGCC	540	
Qy	541	GTCAATTGCCATTCTTCATCTGGTTCGGTCCCGGACTTCCACACGGCGCAGACCTATTGG	600	
Db	541	GTCAATTGCCATTCTTCATCTGGTTCGGTCCCGGACTTCCACACGGCGCAGACCTATTGG	600	
Qy	601	TACCTGCTTTTCTATTGCCCTTTTGAACAATAGTCACGTGTTTCCATGTTCCCTACTCG	660	
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; PRIOR FILING DATE: 1998-07-09

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Db 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTTGGGAGGAGCAGCGGCTTCCGCGGAGAGGA 120

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Db 121 GCATCCGCTTACCAAGTCCCAAGCGGCGTGGCGGCGGCTGTATGGCCAAAGGAGAGGC 180

Qy 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCACAGCATCTCCAAAGCACTGAACGC 240
Db 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCACAGCATCTCCAAAGCACTGAACGC 240

Qy 241 CCGGCCAGGTGAAGAAAGCAAGCAAGAAAGAAAGAAAGCAAGTGTCTGTGGCAACAG 300
Db 241 CCGGCCAGGTGAAGAAAGCAAGCAAGAAAGAAAGAAAGCAAGTGTCTGTGGCAACAG 300

Qy 301 CTTTGTATGCATTTGGGGAGCGCCCTACAGGTGACGGGTGTGGCCCTGGGTTTCTTC 360
Db 301 CTTTGTATGCATTTGGGGAGCGCCCTACAGGTGACGGGTGTGGCCCTGGGTTTCTTC 360

Qy 361 CTTGAGATCTACCTATTGGATGTGGCTCAGTGGCGCTTCTCTGCTCCATCATCTCG 420
Db 361 CTTGAGATCTACCTATTGGATGTGGCTCAGTGGCGCTTCTCTGCTCCATCATCTCG 420

Qy 421 TTTGTGGCGAGCGCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGCATCAGCAAA 480
Db 421 TTTGTGGCGAGCGCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGCATCAGCAAA 480

Qy 481 TCCCGCTGGACCTGCCTGGGTGCGCTTATGCCCTGGATCATCTTCTCACGCCCTGGCC 540
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Qy 541 GTCATTCCTTCTTCTTATTCCTTCTTGAACAATGGTACGCTGTTCCTTCCAGCGGCTATGG 600
Db 541 GTCATTCCTTCTTCTTATTCCTTCTTGAACAATGGTACGCTGTTCCTTCCAGCGGCTATGG 600

Qy 601 TACCTGCTTTTCTTATTCCTTCTTGAACAATGGTACGCTGTTCCTTCCAGCGGCTATGG 660
Db 601 TACCTGCTTTTCTTATTCCTTCTTGAACAATGGTACGCTGTTCCTTCCAGCGGCTATGG 660

Qy 661 GCTCTCACCATTGTTTATCAGAACCGAGAGAGTGGCGGAGTTCTGCCACCGGCTATCG 720
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Qy 721 GATGACTGTGGAAGTGTGGGACAGTGTGGCGGCGGCTTCCAGCGGCTATGG 780
Db 721 GATGACTGTGGAAGTGTGGGACAGTGTGGCGGCGGCTTCCAGCGGCTATGG 780

Qy 781 CCAAGCAGACACGCTTTGTTTCCAGGACTTCAATAGCTCTACAGTACCTTTCACAAAGTGC 840
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Db	61	CGGTGGCTAAGGCTGTACGAAGCGAGCTTGGAGAGCAGCGGCTCGGGGAGAGGA	120						
Qy	121	GCATCCGCTCTACAGGTCCTCAAGCGGCTGGCGCGGCTCATGGCCAAAGAGAGGC	180						
Db	121	GCATCCGCTCTACAGGTCCTCAAGCGGCTGGCGCGGCTCATGGCCAAAGAGAGGC	180						
Qy	181	GGCGAGAGGGCTCCGCGCGGGGCTGTACCCACAGCATCCTCCAAGCAGCTGAACGC	240						
Db	181	GGCGAGAGGGCTCCGCGCGGGGCTGTACCCACAGCATCCTCCAAGCAGCTGAACGC	240						
Qy	241	CGGCGCCAGGTCAGAAAGAACCCGAAAGAAAGAACACAGTTGTCTGTTGCAACAAG	300						
Db	241	CGGCGCCAGGTCAGAAAGAACCCGAAAGAAAGAACACAGTTGTCTGTTGCAACAAG	300						
Qy	301	CTTTGCTATGACATTGGGGAGCCCCCTACAGGTGACGGCTGTGCCCCGGGTTTCTTC	360						
Db	301	CTTTGCTATGACATTGGGGAGCCCCCTACAGGTGACGGCTGTGCCCCGGGTTTCTTC	360						
Qy	361	CTTCAGATCTACCTATTGGATGGCTCAGGTGGGCGCTTCTCTGCCTCCATCATCTCG	420						
Db	361	CTTCAGATCTACCTATTGGATGGCTCAGGTGGGCGCTTCTCTGCCTCCATCATCTCG	420						
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Qy	661	GCTCTCACCATTGTCATCAGCAACCGACAGACTGAGCGGATTTCTGCCACCGCTATCG	720						
Db	661	GCTCTCACCATTGTCATCAGCAACCGACAGACTGAGCGGATTTCTGCCACCGCTATCG	720						
Qy	721	GATGACTGGGAAGTGTGGGACAGTGTGGGACAGGCTGGGACAGGATCCAGGACAAATCGGG	780						
Db	721	GATGACTGGGAAGTGTGGGACAGTGTGGGACAGGCTGGGACAGGATCCAGGACAAATCGGG	780						
Qy	781	CCAAGCAGACAGCCTTCTTCCAGGACTTCAATAGCTCTACAGTACCTTCAAAAAGTGC	840						
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Qy	841	CAACCATACATGGCACCACTTCCACAGGGAACCAAGGATCCAGGACAAATCGGGG	900						
Db	841	CAACCATACATGGCACCACTTCCACAGGGAACCAAGGATCCAGGACAAATCGGGG	900						
Qy	901	GGGGCTCATCTGTATCTATATATCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT	960						
Db	901	GGGGCTCATCTGTATCTATATATCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT	960						
Qy	961	GCAGAGAACCTTGAAGCCAGCAGTGTGAGCCAAATCGCTACTTCCGGGCGCTAGC	1020						
Db	961	GCAGAGAACCTTGAAGCCAGCAGTGTGAGCCAAATCGCTACTTCCGGGCGCTAGC	1020						
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Db 2101 GTGAGCTATTAACTTATTATTTTCATAAAAGCTGGAAGC 2142

RESULT 9

US-09-991-163-19

Sequence 19, Application US/09991163

Patent No. US20020132253A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730PlC17

CURRENT APPLICATION NUMBER: US/09/991,163

CURRENT FILING DATE: 2001-11-14

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PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

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QY	61	CGCTGGCTAAGGCTGCTACGAAGCGACGCTTGGAGGAGCAGCGGCGCTCGCGGGCAGAGA	120			
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RESULT 10

US-09-993-604-19

; Sequence 19, Application US/09993604

; Patent No. US20020137075A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C25
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-09

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RESULT 11

US-09-990-456-19
; Sequence 19, Application US/09990456
; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC22
CURRENT APPLICATION NUMBER: US/09/990,456
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 10; Length 2142;
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Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 13

US-09-992-598-19
; Sequence 19, Application US/09992598
; Patent No. US20020160384A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C20
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match
Best Local Similarity 100.0%; Score 2142; DB 10; Length 2142;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geirritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC66
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match

Best Local Similarity 100.0%; Score 2142; DB 10; Length 2142;

Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1321 GGTAGCTGGCAGCTGGCAGTGTGGCAGCTGCTTCTTACTACCTGTGCTCATGCT 1380
Db 1321 GGTAGCTGGCAGCTGGCAGTGTGGCAGCTGCTTCTTACTACCTGTGCTCATGCT 1380
QY 1381 GCCTGATGTCATTTGACGACTTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
Db 1381 GCCTGATGTCATTTGACGACTTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
QY 1441 CTCTCTCTCTCTATGCTTCTTCCACCAAGTTTGCCTCTGAGTGTCACTGGGCATTTTC 1500
Db 1441 CTCTCTCTCTCTATGCTTCTTCCACCAAGTTTGCCTCTGAGTGTCACTGGGCATTTTC 1500
QY 1501 TACCTCAGTCTGAGCTTTGACGAGTGTGAGCAGCCGCTGCTCGCAGCCGGAACGTGT 1560
Db 1501 TACCTCAGTCTGAGCTTTGACGAGTGTGAGCAGCCGCTGCTCGCAGCCGGAACGTGT 1560
QY 1561 CAAGTTTACACTGAACATGCTGTCGACCATGGTCCCATAGTTCATCTGCTGGGCT 1620
Db 1561 CAAGTTTACACTGAACATGCTGTCGACCATGGTCCCATAGTTCATCTGCTGGGCT 1620
QY 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGCGCGGAGAGTAAGAGCCCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGCGCGGAGAGTAAGAGCCCT 1680
QY 1681 CGAGGACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
Db 1681 CGAGGACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
QY 1741 GGCTAGCATCTTAGGCGCCGACGCTGTCGAGAGCCAGCCAGCCAGCCAGCCAGAA 1800
Db 1741 GGCTAGCATCTTAGGCGCCGACGCTGTCGAGAGCCAGCCAGCCAGCCAGCCAGAA 1800
QY 1801 GGGATCAGGAGCTGTCTGCGGCTTGTCTGAGCAGCTGAGCTGAGGAGGAGGAGGAG 1860
Db 1801 GGGATCAGGAGCTGTCTGCGGCTTGTCTGAGCAGCTGAGCTGAGGAGGAGGAGGAG 1860
QY 1861 CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGCTCACTGTGGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGCTCACTGTGGGGCGGCTGCTC 1920
QY 1921 TGTGGCTTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
QY 1981 AATATGCAAGGAGCTGATGCGGCTTAGCCGGAACACTAATGTAGAAACCTTTTTTTAC 2040
Db 1981 AATATGCAAGGAGCTGATGCGGCTTAGCCGGAACACTAATGTAGAAACCTTTTTTTAC 2040
QY 2041 AGAGCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
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RESULT 15

US-09-989-735-19

; Sequence 19, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
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; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
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; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
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; PRIOR APPLICATION NUMBER: 60/088033

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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

	Query Match	100.0%;	Score 2142;	DB 10;	Length 2142;	
	Best Local Similarity	100.0%;	Pred. No. 0;			
	Matches 2142;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
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Ddb	1	CGGACGGCTGGCGGAGCGCTGGCGGACGCGTGGGCCCGGTGGCTAGCGCGGGCGG	60			
Qy	61	CCGTGGCTAAGGCTGTACAAAGCGAGCTTGGGAGGACAGCGGCTCGGGGSCAGAGA	120			
Ddb	61	CCGTGGCTAAGGCTGTACAAAGCGAGCTTGGGAGGACAGCGGCTCGGGGSCAGAGA	120			
Qy	121	GCATCCCGTCTACCAGGTCCCAAGCGCGTGGCCCCGGGTCA TGCCCAAAGAGAAGCG	180			
Ddb	121	GCATCCCGTCTACCAGGTCCCAAGCGCGTGGCCCCGGGTCA TGCCCAAAGAGAAGCG	180			
Qy	181	GCCGAGAGGGCTCCGGCGGGGCTGTACTACCACACGAGCATCCTCCAAAGCACTGAACGC	240			

Db 181 GCCAGAGCGGCTCCGGGGGGGCTGCTACCCACAGCATCCCTCCAAAGCACTGAACGC 240
Qy 241 CCGCCCCAGGTGAAGAAAGAACCGAAAAAGAAACAAAGTGTCTGTTGTCACAAAG 300
Db 241 CCGCCCCAGGTGAAGAAAGAACCGAAAAAGAAACAAAGTGTCTGTTGTCACAAAG 300
Qy 301 CTTTGCTATGAGCTTTGGGGAGGCCCTTACAGGTGACGGGCTGTGGCCCTGGGTTCTTC 360
Db 301 CTTTGCTATGAGCTTTGGGGAGGCCCTTACAGGTGACGGGCTGTGGCCCTGGGTTCTTC 360
Qy 361 CTTCCAGATCTACCTATTGGGATGGCTCAGGTGGGCGCTTTCTCTGCTCCATCATCTG 420
Db 361 CTTCCAGATCTACCTATTGGGATGGCTCAGGTGGGCGCTTTCTCTGCTCCATCATCTG 420
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Qy 721 GATGACTGTGGAAGTGTGGGACAGTGTGGGACGCGCATCCAGGAGCAAAATCGTGGG 780
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Qy 781 CCAAGCAGACAGCGCTTTTCCAGGACTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840
Db 781 CCAAGCAGACAGCGCTTTTCCAGGACTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840
Qy 841 CAACCATACATGCGACCACTTCCACAGGGAACGCAAAAGGCATACCTGCTGGCAGC 900
Db 841 CAACCATACATGCGACCACTTCCACAGGGAACGCAAAAGGCATACCTGCTGGCAGC 900
Qy 901 GGGGTCATTGCTGTATATATAATCTGTGCTCATCTGATCTCTGGCGCTGCGGGA 960
Db 901 GGGGTCATTGCTGTATATATAATCTGTGCTCATCTGATCTCTGGCGCTGCGGGA 960
Qy 961 GCAGAGAACCCCTATGAAGCCAGCAGTGTAGCCAAATCGCCTACTTCCGGGCGCTACG 1020
Db 961 GCAGAGAACCCCTATGAAGCCAGCAGTGTAGCCAAATCGCCTACTTCCGGGCGCTACG 1020
Qy 1021 GCTGGTCATGAGCCACCGCCATACATCAAACTTATTACTGGCTTCCTCTTCACCTCCTT 1080
Db 1021 GCTGGTCATGAGCCACCGCCATACATCAAACTTATTACTGGCTTCCTCTTCACCTCCTT 1080
Qy 1081 GGCTTTTCATGCTGGTGAGGGGAATTTGCTTCTTTGGACCTTACACCTTTGGGCTTCCG 1140
Db 1081 GGCTTTTCATGCTGGTGAGGGGAATTTGCTTCTTTGGACCTTACACCTTTGGGCTTCCG 1140
Qy 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCAATCCCAT 1200
Db 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCAATCCCAT 1200
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Qy 1741 GGCTAGCATCTCTAGGGCCCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1800
Db 1741 GGCTAGCATCTCTAGGGCCCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1800
Qy 1801 GGGATCAGGAGCTGCTGCGCGGCTTGTGAGCAGCTGGAGTGGAGTGGAGTGGAGTGGAG 1860
Db 1801 GGGATCAGGAGCTGCTGCGCGGCTTGTGAGCAGCTGGAGTGGAGTGGAGTGGAGTGGAG 1860
Qy 1861 CTGAAGACTCAAGGAGGTGGCCGAGCAGCTTGTGCTGCTCAGTGTGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTCAAGGAGGTGGCCGAGCAGCTTGTGCTGCTCAGTGTGGGCGGCTGCTC 1920
Qy 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Qy 1981 AATATGCCAAGGAGTGTGCGGCGCTAGCCCGGAGACACTTAATGTAGAAACCTTTTTCAC 2040
Db 1981 AATATGCCAAGGAGTGTGCGGCGCTAGCCCGGAGACACTTAATGTAGAAACCTTTTTCAC 2040
Qy 2041 AGAGCCCTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2100
Db 2041 AGAGCCCTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2100
Qy 2101 GTGAGCTATTAACTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2142
Db 2101 GTGAGCTATTAACTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2142

Search completed: September 24, 2003, 16:00:32

Job time : 535 secs

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GenCore version 5.1.6-
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 15:49:16 ; Search time 7870 Seconds
(without alignments)
11134.488 Million cell updates/sec

Title: US-09-991-150-19

Perfect score: 2142
Sequence: 1 cggacgctggcgacgcg.....tttcataaaagctgaaagc 2142

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2888711 seqs, 20454813386 residues

Word size : 10 or more 3083117

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database :

GenEmbl.*

1: gb_ba.*

2: gb_hgt.*

3: gb_in.*

4: gb_om.*

5: gb_ov.*

6: gb_pat.*

7: gb_ph.*

8: gb_pl.*

9: gb_pr.*

10: gb_ro.*

11: gb_sts.*

12: gb_sv.*

13: gb_un.*

14: gb_vi.*

15: em_ba.*

16: em_fun.*

17: em_hum.*

18: em_in.*

19: em_mu.*

20: em_om.*

21: em_or.*

22: em_ov.*

23: em_pat.*

24: em_ph.*

25: em_pl.*

26: em_ro.*

27: em_sts.*

28: em_un.*

29: em_vi.*

30: em_hgt_hum.*

31: em_hgt_inv.*

32: em_hgt_other.*

33: em_hgt_mus.*

34: em_hgt_pln.*

35: em_hgt_rod.*

36: em_hgt_mam.*

37: em_hgt_vrt.*

38: em_sy.*

39: em_hgtgo_hum.*

40: em_hgtgo_mus.*

41: em_hgtgo_other.*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	2142	100.0	2142	6	AR252382	Sequence
2	2142	100.0	2142	6	AX403132	Sequence
3	1883	87.9	2170	9	BC011587	Homo sapi
4	1827	85.3	2122	6	BD127558	Primer fo
5	1827	85.3	2122	6	AK075183	Homo sapi
6	1669	77.9	1993	6	BD157842	Primer fo
7	1669	77.9	1993	6	AK074186	Homo sapi
8	1532	71.5	2161	9	AK093223	Homo sapi
9	1358	63.4	1530	9	BC006353	Homo sapi
10	1358	63.4	1588	6	BD063239	Secreted
11	915	42.7	1934	9	HSB005502	AL834184 Homo sapi
12	580	27.1	865	6	BD126410	Primer fo
13	571	26.7	571	6	AR252383	Sequence
14	571	26.7	571	6	AX403134	Sequence
15	555	25.9	804	6	BD147430	Primer fo
16	544	25.4	780	6	BD125260	Primer fo
c 17	500	23.3	544	6	BD152652	Primer fo
18	452	21.1	200484	2	AC025002	Homo sapi
19	348	16.2	115043	9	AL663070	Human DNA
c 20	245	11.4	347	6	AX333939	Sequence
c 21	245	11.4	347	6	AX411261	Sequence
22	219	10.2	786	6	BD147051	Primer fo
23	219	10.2	1768	6	BD157683	Primer fo
24	219	10.2	1768	9	AK027396	Homo sapi
25	145	6.8	236	11	HSPE80F6	AL010130 H. sapiens
26	125	5.8	79785	2	AC025068	Homo sapi
c 27	124	5.8	200484	2	AC025002	Homo sapi
c 28	80	3.7	601	6	BD126011	Primer fo
29	53	2.5	212026	2	AC106432	Rattus no
30	53	2.5	242346	2	AC103185	Rattus no
c 31	51	2.4	51	6	AX162399	Sequence
32	48	2.2	2148	10	BC046793	Mus muscu
c 33	48	2.2	198772	10	AL606906	Mouse DNA
34	40	1.9	1966	10	AF339083	Mus muscu
35	40	1.9	2831	10	AF339082	Mus muscu
36	38	1.8	1003	6	AX135551	Sequence
37	38	1.8	1113	10	BC023261	Mus muscu
38	38	1.8	1184	5	AB042043	Cypseluru
39	38	1.8	1739	10	BC003787	Mus muscu
40	37	1.7	1283	5	BC045097	Xenopus l
41	37	1.7	2049	10	BC018513	Mus muscu
42	37	1.7	2375	10	BC027373	Mus muscu
43	37	1.7	2782	6	AX464072	Sequence
44	37	1.7	5173	6	AX405678	Sequence
c 45	36	1.7	350	10	BC024393	Mus muscu
46	36	1.7	356	3	AY054295	Buthus ma
c 47	36	1.7	405	9	BC046202	Homo sapi
48	36	1.7	458	9	BC015527	Homo sapi
c 49	36	1.7	499	10	BC003832	Mus muscu
c 50	36	1.7	529	10	BC002044	Mus muscu
51	36	1.7	555	9	BC009541	Homo sapi
52	36	1.7	645	10	BC019685	Mus muscu
c 53	36	1.7	662	6	AX364181	Sequence
c 54	36	1.7	669	10	BC037146	Mus muscu
c 55	36	1.7	688	9	BC038290	Homo sapi
c 56	36	1.7	692	9	BC038565	Homo sapi
57	36	1.7	784	6	AX099931	Sequence
c 58	36	1.7	837	5	BC041508	Xenopus l
59	36	1.7	902	9	HSB02869	AL512734 Homo sapi
60	36	1.7	925	8	AF404749	Phytophth
c 61	36	1.7	927	9	BC011455	Homo sapi
c 62	36	1.7	928	9	BC032533	Homo sapi
c 63	36	1.7	960	10	BC022764	Mus muscu
c 64	36	1.7	975	10	BC003965	Mus muscu
c 65	36	1.7	991	10	BC025842	Mus muscu

C 212	1.6	1757	10	BC012673	Mus muscu	285	27	1.3	934	10	BC030170	BC030170 Mus muscu
C 213	1.6	1826	10	BC025605	Mus muscu	286	27	1.3	988	10	BC020144	BC020144 Mus muscu
C 214	1.6	1856	10	BC012648	Mus muscu	287	27	1.3	1022	10	BC034358	BC034358 Mus muscu
C 215	1.6	1899	6	BD135304	l10 human	288	27	1.3	1282	9	BC009672	BC009672 Homo sapi
C 216	1.6	1950	6	BC032655	Homo sapi	289	27	1.3	1319	9	BC025462	BC025462 Mus muscu
C 217	1.6	1974	10	BC023938	Mus muscu	290	27	1.3	1386	9	BC010507	BC010507 Homo sapi
C 218	1.6	1996	10	BC023737	Mus muscu	291	27	1.3	1400	10	BC021780	BC021780 Mus muscu
C 219	1.6	2003	10	BC039934	Mus muscu	292	27	1.3	1427	9	BC015358	BC015358 Homo sapi
C 220	1.6	2014	9	BC032592	Homo sapi	293	27	1.3	1511	5	AF401291	AF401291 Gallus ga
C 221	1.6	2022	9	BC032565	Homo sapi	c 294	27	1.3	1680	10	BC024110	BC024110 Mus muscu
C 222	1.6	2031	10	BC021417	Mus muscu	295	27	1.3	1680	10	BC047532	BC047532 Mus muscu
C 223	1.6	2035	10	BC023684	Mus muscu	296	27	1.3	1684	10	BC010572	BC010572 Mus muscu
C 224	1.6	2188	10	BC019150	Mus muscu	297	27	1.3	1775	10	BC023240	BC023240 Mus muscu
C 225	1.6	2215	10	BC021150	Mus muscu	c 298	27	1.3	1788	5	BC041239	BC041239 Xenopus l
C 226	1.6	2326	6	AX472928	Sequence	c 299	27	1.3	1814	10	BC002212	BC002212 Mus muscu
C 227	1.6	2326	10	BC021333	Mus muscu	300	27	1.3	1838	6	AX076899	AX076899 Sequence
C 228	1.6	2414	10	BC037670	Mus muscu	301	27	1.3	1838	6	AX358868	AX358868 Sequence
C 229	1.6	2468	10	BC021364	Mus muscu	302	27	1.3	1838	6	AX362361	AX362361 Sequence
C 230	1.6	2843	10	BC025626	Mus muscu	303	27	1.3	1838	6	AX454432	AX454432 Sequence
C 231	1.6	2892	10	BC032188	Mus muscu	304	27	1.3	1838	6	AX464156	AX464156 Sequence
C 232	1.6	2798	10	BC033600	Mus muscu	305	27	1.3	1838	6	AX490910	AX490910 Sequence
C 233	1.6	3071	5	AF506224	Danio rer	306	27	1.3	1838	6	AX697517	AX697517 Sequence
C 234	1.6	3099	9	BC037990	Homo sapi	307	27	1.3	1838	6	BD075457	BD075457 Secretary
C 235	1.6	3135	10	BC027793	Mus muscu	308	27	1.3	1838	6	BD172317	BD172317 Secreted
C 236	1.6	3208	9	BC032710	Homo sapi	309	27	1.3	1838	6	BD172636	BD172636 Secreted
C 237	1.6	3403	9	BC032597	Homo sapi	310	27	1.3	1838	6	BD172955	BD172955 Secreted
C 238	1.6	3553	10	BC038473	Mus muscu	311	27	1.3	1838	6	BD173274	BD173274 Secreted
C 239	1.6	3593	10	BC023918	Mus muscu	312	27	1.3	1838	6	BD175308	BD175308 Secretary
C 240	1.6	3787	9	BC035698	Homo sapi	313	27	1.3	1914	6	AX086364	AX086364 Sequence
C 241	1.6	4653	10	BC032164	Mus muscu	314	27	1.3	1914	9	HS8801878	HS8801878 Sequence
C 242	1.6	4826	9	BC051786	Mus muscu	315	27	1.3	1928	10	BC038492	BC038492 Mus muscu
C 243	1.6	6582	6	AX481755	Sequence	316	27	1.3	2103	10	BC019212	BC019212 Mus muscu
C 244	1.6	687	6	AX401368	Sequence	317	27	1.3	2518	10	BC027298	BC027298 Mus muscu
C 245	1.6	1268	5	AF151968	Gallus ga	318	27	1.3	2622	10	BC013558	BC013558 Mus muscu
C 246	1.6	4632	6	AX481749	Sequence	319	27	1.3	2800	9	BC029071	BC029071 Homo sapi
C 247	1.6	41695	2	AC144422	Rattus no	320	27	1.3	2846	10	BC026771	BC026771 Homo sapi
C 248	1.5	927	9	BC009528	Mus muscu	321	27	1.3	2956	9	BC016657	BC016657 Homo sapi
C 249	1.5	1780	6	AR036571	Sequence	322	27	1.3	3295	10	BC005469	BC005469 Mus muscu
C 250	1.5	1780	6	BD084120	Polymorph	323	27	1.3	3330	5	BC041724	BC041724 Xenopus l
C 251	1.5	1795	6	AX336190	Sequence	324	27	1.3	4458	9	BC047604	BC047604 Homo sapi
C 252	1.5	1795	6	AX336651	Sequence	c 325	26	1.2	50	6	AX162400	AX162400 Sequence
C 253	1.5	1795	6	AX410808	Sequence	326	26	1.2	444	10	BC024666	BC024666 Mus muscu
C 254	1.5	1795	9	HS090545	Human sodiu	327	26	1.2	493	6	AR263988	AR263988 Sequence
C 255	1.5	1933	10	BC003778	Mus muscu	328	26	1.2	508	6	AR263869	AR263869 Sequence
C 256	1.5	2508	10	BC013054	Mus muscu	329	26	1.2	601	6	AR214145	AR214145 Sequence
C 257	1.5	236013	2	AC106499	Rattus no	c 330	26	1.2	605	10	BC023886	BC023886 Mus muscu
C 258	1.5	400	3	AF150009	Mesobuthu	c 331	26	1.2	749	8	AR222559	AR222559 Sequence
C 259	1.4	599	6	AX073692	Sequence	332	26	1.2	768	8	AF424657	AF424657 Phytophth
C 260	1.4	1540	10	BC039650	Mus muscu	333	26	1.2	831	10	BC018228	BC018228 Mus muscu
C 261	1.4	1608	10	BC002223	Mus muscu	c 334	26	1.2	861	8	AB094496	AB094496 Aspergill
C 262	1.4	2181	6	AR216159	Sequence	c 335	26	1.2	869	9	BC015053	BC015053 Homo sapi
C 263	1.4	2181	6	AR216161	Sequence	336	26	1.2	923	9	AF111113	AF111113 Homo sapi
C 264	1.4	2181	6	AX538174	Sequence	337	26	1.2	924	10	BC024621	BC024621 Mus muscu
C 265	1.4	2462	10	BC023029	Mus muscu	338	26	1.2	925	10	BC009100	BC009100 Mus muscu
C 266	1.4	1699	9	BC020968	Homo sapi	339	26	1.2	1087	10	BC026550	BC026550 Mus muscu
C 267	1.4	2812	10	BC034161	Mus muscu	c 340	26	1.2	1113	5	BC043796	BC043796 Xenopus l
C 268	1.4	2998	4	S80361	Sequence	341	26	1.2	1143	10	BC019189	BC019189 Mus muscu
C 269	1.4	214914	2	BX510990	rabC1C-2 be	342	26	1.2	1209	6	AR278050	AR278050 Sequence
C 270	1.3	28	6	AR252665	Danio rer	343	26	1.2	1209	6	AX320645	AX320645 Sequence
C 271	1.3	28	6	AX403546	Sequence	c 344	26	1.2	1251	9	BC050720	BC050720 Homo sapi
C 272	1.3	546	6	AR263870	Sequence	c 345	26	1.2	1266	10	BC053696	BC053696 Mus muscu
C 273	1.3	901	10	BC012391	Mus muscu	346	26	1.2	1295	10	BC002083	BC002083 Mus muscu
C 274	1.3	1088	10	BC006039	Mus muscu	c 347	26	1.2	1384	6	AR177954	AR177954 Sequence
C 275	1.3	1089	10	BC005733	Mus muscu	348	26	1.2	1390	10	BC019393	BC019393 Mus muscu
C 276	1.3	1216	10	BC025515	Mus muscu	c 349	26	1.2	1407	10	BC012972	BC012972 Mus muscu
C 277	1.3	1504	10	BC039744	Mus muscu	350	26	1.2	1473	9	BC013108	BC013108 Homo sapi
C 278	1.3	1520	10	BC021398	Mus muscu	351	26	1.2	1512	6	AX538190	AX538190 Sequence
C 279	1.3	1699	6	AX179293	Sequence	352	26	1.2	1557	10	BC021639	BC021639 Mus muscu
C 280	1.3	3391	10	BC042430	Mus muscu	353	26	1.2	1564	6	AX302543	AX302543 Sequence
C 281	1.3	3704	10	BC042901	Mus muscu	354	26	1.2	1564	9	AF027205	AF027205 Homo sapi
C 282	1.3	62	1	AFU430297	Archaeogl	355	26	1.2	1600	4	AF526879	AF526879 Sus scrof
C 283	1.3	814	5	BC041212	Xenopus l	356	26	1.2	1664	10	BC005611	BC005611 Mus muscu
C 284	1.3	925	10	BC023421	Mus muscu	357	26	1.2	1674	10	BC022182	BC022182 Mus muscu

358	1.2	1718	6	AX042212	Sequence	AX042212	Sequence	1.2	1269	10	BC022634	Mus muscu
359	1.2	1718	3	AY026252	Homo sapi	AY026252	Homo sapi	1.2	1281	10	BC019773	Mus muscu
360	1.2	1762	3	AY227001	Anopheles	AY227001	Anopheles	1.2	1294	6	AX528488	Sequence
361	1.2	1784	10	BC018399	Mus muscu	BC018399	Mus muscu	1.2	1301	10	BC009005	Mus muscu
362	1.2	1827	6	AX513502	Sequence	AX513502	Sequence	1.2	1301	10	BC003432	Mus muscu
363	1.2	1865	10	BC013463	Mus muscu	BC013463	Mus muscu	1.2	1303	10	BC003432	Mus muscu
364	1.2	1897	5	BC045088	Xenopus l	BC045088	Xenopus l	1.2	1331	9	BC015490	Homo sapi
365	1.2	1943	9	BC010455	Homo sapi	BC010455	Homo sapi	1.2	1333	6	AR153606	Sequence
366	1.2	1952	10	BC003823	Mus muscu	BC003823	Mus muscu	1.2	1353	6	BD011808	Liver fun
367	1.2	1960	10	BC005476	Mus muscu	BC005476	Mus muscu	1.2	1353	6	BD064688	Liver fun
368	1.2	1984	9	BC013677	Homo sapi	BC013677	Homo sapi	1.2	1353	6	BD174157	Periplast
369	1.2	2048	6	AX405725	Sequence	AX405725	Sequence	1.2	1353	6	BD174205	Caspase 3
370	1.2	2102	10	BC023065	Mus muscu	BC023065	Mus muscu	1.2	1357	10	BC027845	Mus muscu
371	1.2	2199	9	BC038991	Homo sapi	BC038991	Homo sapi	1.2	1359	10	BC016128	Mus muscu
372	1.2	2337	10	BC038609	Mus muscu	BC038609	Mus muscu	1.2	1363	10	AF291655	Mus muscu
373	1.2	2359	10	BC010226	Mus muscu	BC010226	Mus muscu	1.2	1385	6	AR275255	Sequence
374	1.2	2448	8	AB042415	Oryza sat	AB042415	Oryza sat	1.2	1385	6	AX049441	Sequence
375	1.2	2553	9	BC016652	Homo sapi	BC016652	Homo sapi	1.2	1389	6	AR252291	Sequence
376	1.2	2687	10	BC024115	Mus muscu	BC024115	Mus muscu	1.2	1389	6	AR267517	Sequence
377	1.2	2804	10	BC027304	Mus muscu	BC027304	Mus muscu	1.2	1393	6	AX717014	Sequence
378	1.2	2824	10	BC025562	Mus muscu	BC025562	Mus muscu	1.2	1393	8	AF126053	Sequence
379	1.2	2864	6	AR227678	Sequence	AR227678	Sequence	1.2	1395	6	AR252393	Sequence
380	1.2	2864	6	AX106913	Sequence	AX106913	Sequence	1.2	1395	6	AX092278	Sequence
381	1.2	2984	10	BC034507	Mus muscu	BC034507	Mus muscu	1.2	1395	6	AX403148	Sequence
382	1.2	2989	9	BC038446	Homo sapi	BC038446	Homo sapi	1.2	1398	10	BC039919	Mus muscu
383	1.2	3057	10	BC028916	Mus muscu	BC028916	Mus muscu	1.2	1406	10	BC013667	Mus muscu
384	1.2	3170	10	BC020020	Mus muscu	BC020020	Mus muscu	1.2	1410	10	BC006724	Mus muscu
385	1.2	3294	9	BC052995	Homo sapi	BC052995	Homo sapi	1.2	1421	10	BC005559	Mus muscu
386	1.2	3451	9	BC032526	Homo sapi	BC032526	Homo sapi	1.2	1426	10	BC043720	Mus muscu
387	1.2	3550	6	BC037241	Mus muscu	BC037241	Mus muscu	1.2	1427	5	AX454452	Sequence
388	1.2	3556	6	AR129150	Sequence	AR129150	Sequence	1.2	1427	5	AX490930	Sequence
389	1.2	3809	10	BC034368	Mus muscu	BC034368	Mus muscu	1.2	1427	5	AX697561	Sequence
390	1.2	4299	10	BC011412	Mus muscu	BC011412	Mus muscu	1.2	1427	5	BD075493	Secretary
391	1.2	4795	10	AF493070	Mus muscu	AF493070	Mus muscu	1.2	1427	6	BD172353	Secreted
392	1.2	171384	2	AC136212	Gallus ga	AC136212	Gallus ga	1.2	1427	5	BD172672	Secreted
393	1.2	212	6	AR263872	Sequence	AR263872	Sequence	1.2	1427	5	BD172991	Secreted
394	1.2	306	9	HS297363	Homo sapi	AJ297363	Homo sapi	1.2	1427	6	BD173310	Secreted
395	1.2	351	6	AR263867	Sequence	AR263867	Sequence	1.2	1427	5	BD175344	Secretary
396	1.2	477	9	AX079577	Sequence	AX079577	Sequence	1.2	1430	5	AF189238	Danio rer
397	1.2	495	9	BC032700	Homo sapi	BC032700	Homo sapi	1.2	1430	5	AF189238	Danio rer
398	1.2	499	10	BC003832	Mus muscu	BC003832	Mus muscu	1.2	1455	10	BC010982	Mus muscu
399	1.2	573	8	AF128405	Nicotiana	AF128405	Nicotiana	1.2	1455	10	BC022615	Mus muscu
400	1.2	635	10	BC012641	Mus muscu	BC012641	Mus muscu	1.2	1496	9	BC033646	Homo sapi
401	1.2	640	6	AR275256	Sequence	AR275256	Sequence	1.2	1512	6	AR243084	Sequence
402	1.2	640	6	AX049443	Sequence	AX049443	Sequence	1.2	1515	10	BC021445	Mus muscu
403	1.2	704	10	BC021608	Mus muscu	BC021608	Mus muscu	1.2	1545	10	BC003886	Mus muscu
404	1.2	720	10	BC018401	Mus muscu	BC018401	Mus muscu	1.2	1546	6	AX247718	Sequence
405	1.2	755	10	BC037596	Mus muscu	BC037596	Mus muscu	1.2	1546	10	AF285579	Mus muscu
406	1.2	777	10	BC008661	Mus muscu	BC008661	Mus muscu	1.2	1547	6	BD083485	Reagents
407	1.2	792	6	BD007043	Insulin h	BD007043	Insulin h	1.2	1554	10	BC023828	Mus muscu
408	1.2	810	6	AR184471	Sequence	AR184471	Sequence	1.2	1590	9	BC013425	Homo sapi
409	1.2	810	6	E33151	Method for	E33151	Method for	1.2	1599	9	BC016863	Homo sapi
410	1.2	854	9	HS0804260	Homo sapi	AL832949	Homo sapi	1.2	1623	10	BC002179	Mus muscu
411	1.2	868	6	BD078493	101 human	BD078493	101 human	1.2	1641	6	AX262410	Sequence
412	1.2	914	10	BC013061	Mus muscu	BC013061	Mus muscu	1.2	1651	9	BC028051	Homo sapi
413	1.2	923	9	BC046171	Homo sapi	BC046171	Homo sapi	1.2	1660	5	BC046854	Xenopus l
414	1.2	978	8	AB060552	Sequence	AB060552	Sequence	1.2	1680	10	BC047532	Mus muscu
415	1.2	984	9	AF211977	Oryza sat	AF211977	Oryza sat	1.2	1685	10	BC038493	Mus muscu
416	1.2	1002	10	BC003286	Mus muscu	BC003286	Mus muscu	1.2	1691	10	BC019184	Mus muscu
417	1.2	1015	10	BC010796	Mus muscu	BC010796	Mus muscu	1.2	1723	10	BC002030	Mus muscu
418	1.2	1040	9	BC036737	Homo sapi	BC036737	Homo sapi	1.2	1738	6	AX363203	Sequence
419	1.2	1090	10	BC025607	Mus muscu	BC025607	Mus muscu	1.2	1776	9	AF242519	Homo sapi
420	1.2	1101	10	BC003747	Mus muscu	BC003747	Mus muscu	1.2	1795	5	BC041216	Xenopus l
421	1.2	1111	6	E08515	DNA encodin	E08515	DNA encodin	1.2	1796	6	AR5115	Sequence 1
422	1.2	1121	9	BC009034	Homo sapi	BC009034	Homo sapi	1.2	1797	8	AF182188	Lotus jap
423	1.2	1134	10	BC042786	Mus muscu	BC042786	Mus muscu	1.2	1837	6	BD131013	67 Human
424	1.2	1187	9	BC009049	Homo sapi	BC009049	Homo sapi	1.2	1882	10	BC031473	Mus muscu
425	1.2	1209	6	AR278050	Sequence	AR278050	Sequence	1.2	1898	10	BC021439	Mus muscu
426	1.2	1209	6	AX320645	Sequence	AX320645	Sequence	1.2	1910	10	BC003738	Mus muscu
427	1.2	1210	6	AR262623	Sequence	AR262623	Sequence	1.2	1941	9	BC041764	Homo sapi
428	1.2	1228	10	BC008169	Mus muscu	BC008169	Mus muscu	1.2	1966	9	BC000164	Homo sapi
429	1.2	1249	9	HS0801446	Mus muscu	AL133593	Homo sapi	1.2	1984	10	BC022176	Mus muscu
430	1.2	1258	10	BC019564	Mus muscu	BC019564	Mus muscu	1.2	1984	10	BC022176	Mus muscu

RESULT 1	AR252382	Sequence 19 from patent US 6478825.	2142 bp	DNA	linear	PAT 20-DEC-2002
LOCUS	AR252382	Sequence 19 from patent US 6478825.				
DEFINITION	AR252382	Sequence 19 from patent US 6478825.				
ACCESSION	AR252382	Sequence 19 from patent US 6478825.				
VERSION	AR252382.1	GI:27300290				
KEYWORDS	Unknown.					
SOURCE	Unknown.					
ORGANISM	Unknown.					
REFERENCE	1. (bases 1 to 2142)					
AUTHORS	Winterbottom, J.M., Shimp, L., Boyce, T.M. and Kaes, D.					
TITLE	Implant, method of making same and use of the implant for the treatment of bone defects					
JOURNAL	Patent: US 6478825-A 19 12-NOV-2002;					
FEATURES	location/Qualifiers					
source	1. 2142					
BASE COUNT	438 a 623 c 578 g 503 t					
ORIGIN						
Query Match	100.0%;	Score 2142;	DB 6;	Length 2142;		
Best Local Similarity	100.0%;	Pred. No. 0;				
Matches 2142;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;		
QY	1	CGGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGCGGCTTGGCTAGCGCGGCGG 60				
DB	1	CGGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGCGGCTTGGCTAGCGCGGCGG 60				
QY	61	CCGTGGCTAAGGCTGTACGAAGCGAGCTTTGGGAGGAGCAGCGGCTTGGGCGGAGGAG 120				
DB	61	CCGTGGCTAAGGCTGTACGAAGCGAGCTTTGGGAGGAGCAGCGGCTTGGGCGGAGGAG 120				
QY	121	GCATCCCGTACACAGTCCACAGCGCGGCTGGGCGGCGGCTGATGGCCAAAGAGAGGC 180				
DB	121	GCATCCCGTACACAGTCCACAGCGCGGCTGGGCGGCGGCTGATGGCCAAAGAGAGGC 180				
QY	181	GCGAGAGCGGCTCCGCGGCGGCGGCTGTACTCCACACAGCATCTCCAAAGCACTGAACGC 240				
DB	181	GCGAGAGCGGCTCCGCGGCGGCGGCTGTACTCCACACAGCATCTCCAAAGCACTGAACGC 240				
QY	241	CCGGCCCGAGTGAAGAAGAACCGAAAAGAAAGAACACAGTGTCTGTTTGCACAAAG 300				
DB	241	CCGGCCCGAGTGAAGAAGAACCGAAAAGAAAGAACACAGTGTCTGTTTGCACAAAG 300				
QY	301	CTTTGCTATGCACTTGGGGAGCCCTACACAGGTGACGGCTGTGCCCTGGGTTTCTTC 360				
DB	301	CTTTGCTATGCACTTGGGGAGCCCTACACAGGTGACGGCTGTGCCCTGGGTTTCTTC 360				
QY	361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGGCTTCTCTGCTCCATCATCTG 420				
DB	361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGGCTTCTCTGCTCCATCATCTG 420				
QY	421	TTTGTGGGCGGAGCTGGGATGCCATCAGACAGCCCTGTGGGCGCTCTGCATCAGAAA 480				
DB	421	TTTGTGGGCGGAGCTGGGATGCCATCAGACAGCCCTGTGGGCGCTCTGCATCAGAAA 480				
QY	481	TCCCGCTGGACCTGGGCTGGCTGTATCCCTGGATCATCTTCCACGCGGCTGGCC 540				
DB	481	TCCCGCTGGACCTGGGCTGGCTGTATCCCTGGATCATCTTCCACGCGGCTGGCC 540				
QY	541	GTCAATGGCTTACCTTCATCTGTTGCTGGCGGAGCTTCCACACAGCGCCAGACCTATTGG 600				
DB	541	GTCAATGGCTTACCTTCATCTGTTGCTGGCGGAGCTTCCACACAGCGCCAGACCTATTGG 600				
QY	601	TACCTGCTTTTCTATTGGCTCTTTGAACAATGGTCAGCTGTTTCCATGTTCCCTACTCG 660				
DB	601	TACCTGCTTTTCTATTGGCTCTTTGAACAATGGTCAGCTGTTTCCATGTTCCCTACTCG 660				
QY	661	GCTCTCACCATTGTTATCAGCAACCGAGACGTGACGGGATTTGCCACCGGCTATCG 720				

Db	661	GCTCTCACCATTGTTATCAGCAACCGAGACAGTGTAGCGGATTTCTGCCACCGGCTATCG 720				
QY	721	GATGACTGTGGAAGTGTGGGCGGACAGTGTGGGCGGCGGATCCAGGAGCAAAATCGTGGG 780				
Db	721	GATGACTGTGGAAGTGTGGGCGGACAGTGTGGGCGGCGGATCCAGGAGCAAAATCGTGGG 780				
QY	781	CCAAGCAGACACGCGCTTGTTCAGGAGCTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840				
Db	781	CCAAGCAGACACGCGCTTGTTCAGGAGCTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840				
QY	841	CAACCATACATGGCAGCAGCTTTCACAGAGGAAACGAAAGGAGCATACCTGCTGGGAGC 900				
Db	841	CAACCATACATGGCAGCAGCTTTCACAGAGGAAACGAAAGGAGCATACCTGCTGGGAGC 900				
QY	901	GGGGTCAATGCTGTATCTATATAATCTGTGCTGTCTCATCTCTGATCTCTGGGCGGCGGA 960				
Db	901	GGGGTCAATGCTGTATCTATATAATCTGTGCTGTCTCATCTCTGATCTCTGGGCGGCGGA 960				
QY	961	GCAGAGAGAAACCTTATGAAGCCAGCAGTCTGAGCCCAATCGCTTACTTCCGGGCGCTTACG 1020				
Db	961	GCAGAGAGAAACCTTATGAAGCCAGCAGTCTGAGCCCAATCGCTTACTTCCGGGCGCTTACG 1020				
QY	1021	GCTGGTCATGAGCCAGCCCATACATCAAACTTATTACTGGCTTCTCTTCACCTCCTT 1080				
Db	1021	GCTGGTCATGAGCCAGCCCATACATCAAACTTATTACTGGCTTCTCTTCACCTCCTT 1080				
QY	1081	GGCTTTTCATGCTGTGGAGGGAACTTGTCTTGTGTTGACACCTTACACCTTGGGCTTCCG 1140				
Db	1081	GGCTTTTCATGCTGTGGAGGGAACTTGTCTTGTGTTGACACCTTACACCTTGGGCTTCCG 1140				
QY	1141	CAATGAATTCAGAAATCTACTCTGCGCATCATCTCTGCGCCACTTAAACCATTCGCAT 1200				
Db	1141	CAATGAATTCAGAAATCTACTCTGCGCATCATCTCTGCGCCACTTAAACCATTCGCAT 1200				
QY	1201	CTGGCAGTGGTCTTGGACCGGTTTGGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260				
Db	1201	CTGGCAGTGGTCTTGGACCGGTTTGGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260				
QY	1261	AGCAGTGGCCTTCTCATCTTGGTGGCCCTCATGGAGAGTAACTCATATACATATGC 1320				
Db	1261	AGCAGTGGCCTTCTCATCTTGGTGGCCCTCATGGAGAGTAACTCATATACATATGC 1320				
QY	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCT 1380				
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCT 1380				
QY	1381	GCCTGATGTGATGACACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440				
Db	1381	GCCTGATGTGATGACACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440				
QY	1441	CTTCTTCTCTCTATGCTTCTTTCACCAAGTTTGGCTCTGGAGTGTCACTGGGCAATTC 1500				
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QY	1501	TACCTCAGTCTGGAGCTTTCAGGGTACCAGACCCGTGGCTGCTCGCAGCGGAGCTGT 1560				
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RESULT 2
LOCUS AX403132
DEFINITION Sequence 19 from Patent WO0073454.
ACCESSION AX403132
VERSION AX403132.1 GI:21436736
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
1.
AUTHORS Ashkenazi,A.J., Baker,K.P., Botstein,D., Desnovers,L., Eaton,D.,
Ferrara,N., Gerber,H., Gerritsen,M., Goddard,A., Godowski,P.,
Grimaldi,C.J., Gurney,A.L., Kijavlin,I., Napier,M.A., Pan,J.,
Paoni,N.F., Roy,M., Stewart,T.A., Tamas,D., Watanabe,C.K.,
Williams,P., Wood,W.I. and Zhang,Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
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JOURNAL Patent: WO 0073454-A 19 07-DEC-2000;
Genentech Inc. (US)
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Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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ACCESSION BC011587
VERSION BC011587.1 GI:15079517
KEYWORDS MGC.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 2170)
AUTHORS Strausberg R.
TITLE Direct Submission

JOURNAL Submitted (30-JUL-2001) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
REMARK NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Genome Sequence Centre,
BC Cancer Agency, Vancouver, BC, Canada
Info@bcsc.bc.ca
Steven Jones, Jennifer Asano, Ian Bosdet, Yaron Butterfield,
Susanna Chan, Readman Chiu, Chris Fjell, Erin Garland, Ran Guin,
Leticia Hsiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo
Sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven
Ness, Pawan Pandoh, Anna-Liisa Prabh, Parvaneh Saeedi, Jacqueline
Schein, Duane Smalls, Michael Smith, Lorraine Spence, Jeff Scott,
Michael Thorne, Miranada Tsai, Natasja van den Bosch, Jill Vardy,
George Yang, Scott Zuyderduyn, Marco Marra.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
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BD127558

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

BD127558 2122 bp DNA linear PAT 18-SEP-2002
Primer for synthesizing full-length cDNA and use thereof.

BD127558

BD127558.1 GI:23222503

JP 2002017375-A/2989.

Homo sapiens (human)

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidi; Homo.

1 (bases 1 to 2122)

Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y.,

Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and

Koga,H.

Primer for synthesizing full-length cDNA and use thereof

Patent: JP 2002017375-A 2989 22-JAN-2002;

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FEATURES	TOSHIO OTA,TETSUO NISHIKAWA,TAKAO ISOGAI,KOJI HAYASHI,SHIZUKO		Qy		Qy	CTCTACAGTAGCTTCACAAAGTGCACACCATACATGACGACCACTTCACACAGGGAAC	876
	PI	ISHII,	Db		Db	CTCTACAGTAGCTTCACAAAGTGCACACCATACATGACGACCACTTCACACAGGGAAC	861
	PI	YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NAGAI, PI	Qy		Qy	GCAAAAGGATACCTGCTGGCAGCGGGGCTTCTGCTGATCTATATATCTGCTGCTGT	936
	PI	SHINICHI KOJIMA,	Db		Db	GCAAAAGGATACCTGCTGGCAGCGGGGCTTCTGCTGATCTATATATCTGCTGCTGT	921
BASE COUNT	TETSUJI OTSUKI,HISASHI KOGA		Qy		Qy	CATCTGATCTGCTGGCGTGGGAGACAGAGAACCTATAGAAGCCAGCAGTCTGAGCC	996
	FT	CDS (149)..(1738).	Db		Db	CATCTGATCTGCTGGCGTGGGAGACAGAGAACCTATAGAAGCCAGCAGTCTGAGCC	981
	Location/Qualifiers	Location/Qualifiers	Qy		Qy	AATCGCTTACTTCCGGGCGCTACGGCTGGTCAATGAGCCACGGCCCATACATCAAACTAT	1056
	1..2122	1..2122	Db		Db	AATCGCTTACTTCCGGGCGCTACGGCTGGTCAATGAGCCACGGCCCATACATCAAACTAT	1041
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	Query Match	85.3%; Score 1827; DB 6; Length 2122;	Db		Db	TACTGGCTTCTCTTACCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCT	1101
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	Matches 2097; Conservative 0; Mismatches 3; Indels 1; Gaps 1;		Db		Db	TTGCACCTACACCTTGGGCTTCCGCAATGAATCCAGAATCTACTCTGCGCCATCATGCT	1161
FEATURES	/organism="Homo sapiens"		Qy		Qy	CTCGGCCACTTTAAACCATTCCTCATCTGCGAGTGGTCTTCTTGACCGGGTTTGCAAGAAGAC	1236
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			Db		Db	AGCTGTATATTTGGGATCTCATCAGCAGTGGCATTCTCATCTTGGTGGCCCTCATGGA	1281
BASE COUNT	434 a 623 c 562 g 503 t		Qy		Qy	GAGTAACCTCATCATATACATATGCGGTGCTGCGAGCTGGCATGCTGCGAGCTGC	1356
	Query Match	85.3%; Score 1827; DB 6; Length 2122;	Db		Db	GAGTAACCTCATCATATACATATGCGGTGCTGCGAGCTGGCATGCTGCGAGCTGC	1341
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FEATURES	TOSHIO OTA,TETSUO NISHIKAWA,TAKAO ISOGAI,KOJI HAYASHI,SHIZUKO		Qy		Qy	TGGCTGTCTCGAGCGGAAACGTTGCAAGTGTACACTGAAACATGCTCGTGACCATGGCTCC	1596
	PI	ISHII,	Db		Db	TGGCTGTCTCGAGCGGAAACGTTGCAAGTGTACACTGAAACATGCTCGTGACCATGGCTCC	1581
	PI	YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NAGAI, PI	Qy		Qy	CATAGTGTCTCATCTGCTGGCCCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGAG	1656
	PI	SHINICHI KOJIMA,	Db		Db	CATAGTGTCTCATCTGCTGGCCCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGAG	1641
BASE COUNT	TETSUJI OTSUKI,HISASHI KOGA		Qy		Qy	GCGCGCAGCAATGAAGGCCCTTCAGGCTGCTGAGGAGCAGGAGCAGCAGTCTGGCTG	1716
	FT	CDS (149)..(1738).	Db		Db	GCGCGCAGCAATGAAGGCCCTTCAGGCTGCTGAGGAGCAGGAGCAGCAGTCTGGCTG	1701
	Location/Qualifiers	Location/Qualifiers	Qy		Qy	CTCAGAAACAGACTTCCACAGAGCTGGCTAGCATCTCTAGGCGCCGCGACGCTTCCCGGAA	1776
	1..2122	1..2122	Db		Db	CTCAGAAACAGACTTCCACAGAGCTGGCTAGCATCTCTAGGCGCCGCGACGCTTCCCGGAA	1761
ORIGIN	434 a 623 c 562 g 503 t		Qy		Qy	GCCACCATGCAAGAGGCCACAGAGGGATCAGGAGCTGTCTGCGCGGCTTGTCTGAGCAGCT	1836
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RESULT 7
AK074186

LOCUS Homo sapiens cdna FLJ14997 fis, clone NT2RM4000674.
DEFINITION AK074186
ACCESSION AK074186.1 GI:18676719
VERSION
KEYWORDS oligo capping; fis (full insert sequence).
SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE

AUTHORS

1
Isoqai,T., Ota,T., Hayashi,K., Sugiyama,T., Otsuki,T., Suzuki,Y.,
Nishikawa,T., Nagai,K., Sugano,S., Shiratori,A., Sudo,H.,
Wagatsuma,M., Hosoiri,T., Kaku,Y., Kodaira,H., Kondo,H.,
Sugawara,M., Takahashi,M., Chiba,Y., Ishida,S., Murakawa,K.,
Ono,Y., Takiguchi,S., Watanabe,S., Kimura,K., Wakamatsu,K.,
Ishii,S., Kawai,Y., Saito,K., Yamamoto,J., Wakamatsu,K.,
Nakamura,Y., Nagahari,K., Masuho,Y., Ninomiya,K. and Iwayanagi,T.

TITLE	NEDO human cDNA sequencing project	
JOURNAL	Unpublished	
REFERENCE	2 (bases 1 to 1993)	
AUTHORS	Isogai,T. and Otsuki,T.	
TITLE	Direct Submission	
JOURNAL	Submitted (13-FEB-2002) Takao Isogai, Helix Research Institute, Genomics Laboratory; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)	
COMMENT	NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing; Research Association for Biotechnology; cDNA library construction; 5'- & 3'-end one pass sequencing and clone selection; Helix Research Institute (supported by Japan Key Technology Center etc.) and Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure, Human Genome Center.	
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VERSION	AK093223.1 GI:21752029		
KEYWORDS	oligo capping; fis (full insert sequence).		
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ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	1 Oshima,A., Takahashi-Fujii,A., Tanase,T., Inose,N., Takeuchi,K., Ariita,M., Musashino,K., Yuuki,H., Hara,H., Sugiyama,T., Irie,R., Otsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamoto,J., Isono,Y., Kawai-Hio,Y., Saito,K., Nishikawa,T., Kimura,K., Yamashita,H., Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K., Wagatsuma,M., Murakawa,K., Kanehori,K., Sugiyama,A., Kawakami,B., Suzuki,Y., Sugano,S., Nagahara,K., Masuho,Y., Nagai,K. and Isoqai,T.		
TITLE	NEDO human cDNA sequencing project		
JOURNAL	Unpublished		
REFERENCE	2 (bases 1 to 2161)		
AUTHORS	Isoqai,T. and Yamamoto,J.		
TITLE	Direct Submission		
JOURNAL	Submitted (04-JUL-2002) Takao Isoqai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.		
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LOCUS			
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IMAGE	IMAGE:4121436		
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VERSION	BC006353.1	GI:13623496	

KEYWORDS	Homo sapiens (human)
SOURCE	Homo sapiens
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REFERENCE	1 (bases 1 to 1530)
AUTHORS	Strausberg, R.
TITLE	Direct Submission
JOURNAL	Submitted (09-APR-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
REMARK	NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT	Contact: MGC help desk Email: cgabs-r@mail.nih.gov Tissue Procurement: ATCC cDNA Library Preparation: Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC), Gaithersburg, Maryland; Web site: http://www.nisc.nih.gov/ Contact: nisc.mgc@hgrl.nih.gov Shevchenko, Y., Wetherby, K.D., Beckstrom-Sternberg, S.M., Benjamin, B., Blakesley, R.W., Bouffard, G.G., Brinkley, C., Brooks, S., Dietrich, N.L., Guan, X., Gupta, J., Ho, S.-L., Klinkins, E., Legaspi, R., Lim, M., Maduro, Q.L., Mastello, C., Mastrian, S.D., McCloskey, J.C., McDowell, J., Pearson, R., Snyder, B., Stantripop, S., Thomas, P.J., Tlionson, E.E., Touchman, J.W., Tsugeon, C., Vogt, J.L., Walker, M.A., Zhang, L.-H. and Green, E.D.
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ACCESSION BD063239
VERSION BD063239.1 GI:22608842
KEYWORDS JP 2001505783-A/14.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 1588)
AUTHORS Escobedo, J., Hu, Q., Garcia, P., Williams, L.T. and Kothakota, S.
TITLE Secreted human proteins
JOURNAL Patent: JP 2001505783-A 14 08-MAY-2001;
COMMENT CHIRON CORP
PN JP 2001505783-A/14
PD 08-MAY-2001
PF 11-DEC-1997 JP 1998526977
PR 11-DEC-1996 US 60/032757
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ACCESSION AL834184.1 GI:21739680
VERSION 1
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1934)
AUTHORS Bloeker,H., Boecher,M., Brandt,P., Mewes,H.W., Weill,B. and
Wiemann,S.
TITLE Direct Submission
JOURNAL Submitted (09-JUL-2002) 1, D-85764 Neuherberg, GERMANY
COMMENT Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by GSF (National Research Centre for Biotechnology Ltd.,
Braunschweig/Germany) within the cDNA sequencing consortium of the
German Genome Project.
This clone (DKFp547G109) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de Further
information about the clone and the sequencing project is available
at http://mips.gsf.de/proj/cDNA/.
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QY 37 GCCGGCTTGGCTAGCGCGCGCGCGCTGAGCTGAAGCTGCTAGAGCGAGCTGGAGG 96
Db 10 GCCGGCTTGGCTAGCGCGCGCGCGCTGAGCTGAAGCTGCTAGAGCGAGCTGGAGG 69
QY 97 AGCAGCGGCTCGCGGCGAGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGCTGGCCG 156
Db 70 AGCAGCGGCTCGCGGCGAGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGCTGGCCG 129
QY 157 CGGGTCATGCGCAAGAGAGAGCGCGAGAGCGGTCTCCGGCGGGGCTGCTACCCACC 216
Db 130 CGGGTCATGCGCAAGAGAGAGCGCGAGAGCGGTCTCCGGCGGGGCTGCTACCCACC 189
QY 217 AGCATCTTCAAAAGCACTGAACCCCGCGCGCGAGAGAGCAAGCAAGCAAGCAAAA 276
Db 1
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Db	150	AGCATCCCTCAAAAGCACTGAACGCCGCCAGGTGAAGAAAGAAACCGAAAAAGAGAAA	249
QY	277	CAACAGTTGCTGTTTGGTCAACAAAGCTTTGCTATGCACATGGGGAGCCCTTACCAGTG	336
Db	250	CAACAGTTGCTGTTTGGTCAACAAAGCTTTGCTATGCACATGGGGAGCCCTTACCAGTG	309
QY	337	ACGGGCTGTCGCTGGGTTTCTTCTTCAGATCTACCTATTGGATGGCTCAGTGCGG	396
Db	310	ACGGGCTGTCGCTGGGTTTCTTCTTCAGATCTACCTATTGGATGGCTCAGTGCGG	369
QY	397	CCTTTCTGCTGCCTCAATCATCTGTTTGGGCGAGCCTGGGATGCCATCACAGACCC	456
Db	370	CCTTTCTGCTGCCTCAATCATCTGTTTGGGCGAGCCTGGGATGCCATCACAGACCC	429
QY	457	CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGACCTGCCCTGGGTCGCTTATGCCCTGG	516
Db	430	CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGACCTGCCCTGGGTCGCTTATGCCCTGG	489
QY	517	ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCTCATCTGTTGTCGTCGCCGAC	576
Db	490	ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCTCATCTGTTGTCGTCGCCGAC	549
QY	577	TTCCACACGGCCGACACTATTGGTACCTGCTTTTCTTATTCGCTCTTTGAACAATGCTC	636
Db	550	TTCCACACGGCCGACACTATTGGTACCTGCTTTTCTTATTCGCTCTTTGAACAATGCTC	609
QY	637	ACGTGTTTCCATGTTCCCTACTCGGCTCTCAACATGTTTCATCAGCAACCGAGACACTGA	696
Db	610	ACGTGTTTCCATGTTCCCTACTCGGCTCTCAACATGTTTCATCAGC-ACCGAGCAGACTGA	668
QY	697	GCGGATTTGCGCACCGCTATFCGGATGACTGTGGAAGTCTGGGACAGTCTGGGAC	756
Db	669	GCGGATTTGCGCACCGCTATFCGGATGACTGTGGAAGTCTGGGACAGTCTGGGAC	728
QY	757	GCGATCCAGGACAAATGCGGCAAGCAGCAGCGCTTCTTCCAGGACTTCAATAG	816
Db	729	GCGATCCAGGACAAATGCGGCAAGCAGCAGCGCTTCTTCCAGGACTTCAATAG	788
QY	817	CTCTACAGTAGCTTCAAAAGTGCCAAACCATACATATGCACAGGCAAC	876
Db	789	CTCTACAGTAGCTTCAAAAGTGCCAAACCATACATATGCACAGGCAAC	848
QY	877	GCAAAAGGATACCTGCTGGCAGCGGGGTCAATGCTGATCTATATATCTGTCGT	936
Db	849	GCAAAAGGATACCTGCTGGCAGCGGGGTCAATGCTGATCTATATATCTGTCGT	908
QY	937	CATCTCTGATCTCGGGGCTGGGAGCAGAGAACCCCTATGAAGCCAGCTCTGAGCC	996
Db	909	CATCTCTGATCTCGGGGCTGGGAGCAGAGAACCCCTATGAAGCCAGCTCTGAGCC	968
QY	997	AATCGCCTACTTCCGGGCTAGGGCTGTGATGAGCCAGCGCCCATACATCAAACTTAT	1056
Db	969	AATCGCCTACTTCCGGGCTAGGGCTGTGATGAGCCAGCGCCCATACATCAAACTTAT	1028
QY	1057	TACTGCTTCTCTTCACTCTCTGCTTTCATGCTGGGAGGAACTTGTCTGTT	1116
Db	1029	TACTGCTTCTCTTCACTCTCTGCTTTCATGCTGGGAGGAACTTGTCTGTT	1088
QY	1117	TTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAAATCTACTCTGGCCCATCATG	1174
Db	1089	TTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAAATCTACTCTGGCCCATCATG	1146
RESULT 12			
BD126410			
LOCUS			
DEFINITION			
ACCESSION			
VERSION			
KEYWORDS			
SOURCE			
ORGANISM			
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			

REFERENCE		Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.	
AUTHORS		1 (bases 1 to 865) Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y., Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and Koga,H. for synthesizing full-length cDNA and use thereof Patent: JP 2002017375-A 1841 22-JAN-2002; HELIX RESEARCH INSTITUTE OS Homo sapiens (human) PN JP 2002017375-A/1841 PD 22-JAN-2002 PF 07-JUL-2000 JP 2000253172 PI TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO PI ISHII, PI YURI KAWAI, AI WAKAMATSU, TOMOYASU SUGIYAMA, KEIICHI NAGAI, PI SHINICHI KOJIMA, PI TETSUJI OTSUKI, HISASHI KOGA PC C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12N5/02, C12Q1/68, C12P21/08, C12P21/30, C12N15/00, C12N5/00 CC PC C12P21/02, C12Q1/68, C12P21/08, C12P21/30, C12N15/00, C12N5/00 CC Primer for synthesizing full-length cDNA and use thereof PH key	
TITLE		Primer for synthesizing full-length cDNA and use thereof	
JOURNAL		HELIX RESEARCH INSTITUTE	
COMMENT		OS Homo sapiens (human) PN JP 2002017375-A/1841 PD 22-JAN-2002 PF 07-JUL-2000 JP 2000253172 PI TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO PI ISHII, PI YURI KAWAI, AI WAKAMATSU, TOMOYASU SUGIYAMA, KEIICHI NAGAI, PI SHINICHI KOJIMA, PI TETSUJI OTSUKI, HISASHI KOGA PC C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12N5/02, C12Q1/68, C12P21/08, C12P21/30, C12N15/00, C12N5/00 CC Primer for synthesizing full-length cDNA and use thereof PH key	
FEATURES		FT source 1..865 /organism='Homo sapiens (human)'. FT Location/Qualifiers 1..865 /organism='Homo sapiens' /mol_type='genomic DNA' /db_xref='taxon:9606'	
BASE COUNT		176 a 263 c 239 g 182 t 5 others	
ORIGIN		Query Match 27.1%; Score 580; DB 6; Length 865; Best Local Similarity 99.8%; Pred. No. 0; Matches 630; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
QY	37	CGCGCTTGGCTAGCGCGCGCGCGCTGAGTCTACCAAGGAGCTTGGGAGG	96
Db	18	CGCGCTTGGCTAGCGCGCGCGCGCTGAGTCTACCAAGGAGCTTGGGAGG	77
QY	97	AGCAGCGCTTGGCGGCGAGGAGCATCCCTTACAGTCCCAAGCGGCTGGCCG	156
Db	78	AGCAGCGCTTGGCGGCGAGGAGCATCCCTTACAGTCCCAAGCGGCTGGCCG	137
QY	157	CGGTCATGGCCAAAGGAGAGCGCCGAGAGCGCTCCGCGGGGCTCTACCCACC	216
Db	138	CGGTCATGGCCAAAGGAGAGCGCCGAGAGCGCTCCGCGGGGCTCTACCCACC	197
QY	217	AGCATCTCCAAAGCACTGAACGCCGCCAGGTGAAGAAGAACCGAAAAAGAGAA	276
Db	198	AGCATCTCCAAAGCACTGAACGCCGCCAGGTGAAGAAGAACCGAAAAAGAGAA	257
QY	277	CAACAGTTGCTGTTTGAACAAGCTTTCATGACATCTACCTATTTGGGAGGCCCTACAGTG	336
Db	258	CAACAGTTGCTGTTTGAACAAGCTTTCATGACATCTACCTATTTGGGAGGCCCTACAGTG	317
QY	337	ACGGGCTGTCGCTGGGTTTCTTCATGACATCTACCTATTTGGGAGGCCCTACAGTG	396
Db	318	ACGGGCTGTCGCTGGGTTTCTTCATGACATCTACCTATTTGGGAGGCCCTACAGTG	377
QY	397	CCTTTCTGCTCCATCATCTGTTTGTGGGCCGAGCTGGGATGCCATCACAGACCC	456
Db	378	CCTTTCTGCTCCATCATCTGTTTGTGGGCCGAGCTGGGATGCCATCACAGACCC	437
QY	457	CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGAGCTGGGCTTATGCCCTGG	516
Db	438	CTGGTGGGCTCTGCATCAGCAAAATCCCGCTGGAGCTGGGCTTATGCCCTGG	497
QY	517	ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCCATCATCTGTTGTCGTCGCCAC	576
Db	498	ATCATCTTCTCCACGCCCTGGCGCTCATTTGCTTACTTCTCTCATCTGTTGTCGTCGCCAC	557

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QY 577 TTCCACAGCGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTTGAACAATGGTC 636
Db 558 TTCCACAGCGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTTGAACAATGGTC 617

QY 637 ACGTGTTCATGTTCCCTACTCGGCTCTCA 567
Db 618 ACGTGTTCATGTTCCCTACTCGGCTCTCA 648

RESULT 13
AR252383
LOCUS AR252383 571 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 21 from patent US 6478825.
ACCESSION AR252383
VERSION AR252383.1 GI:27300291
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 571)
AUTHORS Winterbottom, J.M., Shimp, L., Boyce, T.M. and Kaes, D.
TITLE Implant, method of making same and use of the implant for the
TREATMENT treatment of bone defects
JOURNAL Patent: US 6478825-A 21 12-NOV-2002;
FEATURES Location/Qualifiers
source 1..571
BASE COUNT 116 a 162 c 139 g 154 t
ORIGIN
Query Match 26.7%; Score 571; DB 6; Length 571;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 870 GGAACAGCAAAAGGATACCTGCTGGCAGCGGGGTGCTATCTATATATAATCT 929
Db 1 GGAACAGCAAAAGGATACCTGCTGGCAGCGGGGTGCTATCTATATATAATCT 60

QY 930 GTGCTGTCTATCTCTGCTGGGCGTGGGAGCAGAGAACCTATGAAGCCAGCAGT 989
Db 61 GTGCTGTCTATCTCTGCTGGGCGTGGGAGCAGAGAACCTATGAAGCCAGCAGT 120

QY 990 CTGAGCAATCGCTACTTCCGGGGCTAGCGGTGCTATGAGCCAGCGCCATACATCA 1049
Db 121 CTGAGCAATCGCTACTTCCGGGGCTAGCGGTGCTATGAGCCAGCGCCATACATCA 180

QY 1050 AACTTATTACTGGCTTCTCTTCCACCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 1109
Db 181 AACTTATTACTGGCTTCTCTTCCACCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 240

QY 1110 TCTGTGTTTTCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCTGGCCA 1169
Db 241 TCTGTGTTTTCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCTGGCCA 300

QY 1170 TCATGCTCTCGGCCACTTTAAACCATTCGCCATCTGGCAGTGGTTCCTTGACCCGGTTGGCA 1229
Db 301 TCATGCTCTCGGCCACTTTAAACCATTCGCCATCTGGCAGTGGTTCCTTGACCCGGTTGGCA 360

QY 1230 AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCCATTTCTCATCTTGGTGCC 1289
Db 361 AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCCATTTCTCATCTTGGTGCC 420

QY 1290 TCATGAGAGTAACTTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 1349
Db 421 TCATGAGAGTAACTTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 480

QY 1350 CAGCTGCCCTTCTTACTACCTGTGCTCCATGCTGCTGATGTCATGACGACTTCCATCTGA 1409
Db 481 CAGCTGCCCTTCTTACTACCTGTGCTCCATGCTGCTGATGTCATGACGACTTCCATCTGA 540

QY 1410 AGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
Db 541 AGCAGCCCACTTCCATGGAACCGAGCCCAT 571
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RESULT 14
AX403134
LOCUS AX403134 571 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 21 from Patent WO0073454.
ACCESSION AX403134
VERSION AX403134.1 GI:21436737
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Ashkenazi, A.J., Baker, K.P., Botstein, D., Desnoyers, L., Eaton, D.,
Ferrara, N., Gerber, H., Gerritsen, M., Goddard, A., Godowski, P.,
Grimaldi, C.J., Gurney, A.L., Kljavin, I., Napier, M.A., Pan, J.,
Paoni, N.F., Roy, M., Stewart, T.A., Tumas, D., Watanabe, C.K.,
Williams, P., Wood, W.I. and Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0073454-A 21 07-DEC-2000;
FEATURES Location/Qualifiers
source 1..571
BASE COUNT 116 a 162 c 139 g 154 t
ORIGIN
Query Match 26.7%; Score 571; DB 6; Length 571;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 870 GGAACAGCAAAAGGATACCTGCTGGCAGCGGGGTGCTATCTATATATAATCT 929
Db 1 GGAACAGCAAAAGGATACCTGCTGGCAGCGGGGTGCTATCTATATATAATCT 60

QY 930 GTGCTGTCTATCTCTGCTGGGCGTGGGAGCAGAGAACCTATGAAGCCAGCAGT 989
Db 61 GTGCTGTCTATCTCTGCTGGGCGTGGGAGCAGAGAACCTATGAAGCCAGCAGT 120

QY 990 CTGAGCAATCGCTACTTCCGGGGCTAGCGGTGCTATGAGCCAGCGCCATACATCA 1049
Db 121 CTGAGCAATCGCTACTTCCGGGGCTAGCGGTGCTATGAGCCAGCGCCATACATCA 180

QY 1050 AACTTATTACTGGCTTCTCTTCCACCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 1109
Db 181 AACTTATTACTGGCTTCTCTTCCACCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 240

QY 1110 TCTGTGTTTTCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCTGGCCA 1169
Db 241 TCTGTGTTTTCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCTGGCCA 300

QY 1170 TCATGCTCTCGGCCACTTTAAACCATTCGCCATCTGGCAGTGGTTCCTTGACCCGGTTGGCA 1229
Db 301 TCATGCTCTCGGCCACTTTAAACCATTCGCCATCTGGCAGTGGTTCCTTGACCCGGTTGGCA 360

QY 1230 AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCCATTTCTCATCTTGGTGCC 1289
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QY 1290 TCATGAGAGTAACTTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 1349
Db 421 TCATGAGAGTAACTTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 480

QY 1350 CAGCTGCCCTTCTTACTACCTGTGCTCCATGCTGCTGATGTCATGACGACTTCCATCTGA 1409
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QY 1410 AGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
Db 541 AGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
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LOCUS      BD147430          804 bp      DNA      linear      PAT 17-JAN-2003
DEFINITION Primer for synthesizing full-length cDNA and use thereof.
ACCESSION  BD147430
VERSION    BD147430.1 GI:27853188
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE  1 (bases 1 to 804)
AUTHORS   Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.
TITLE     Primer for synthesizing full-length cDNA and use thereof
JOURNAL   Patent: JP 2002191363-A 2273 09-JUL-2002;
HELIx RESEARCH INSTITUTE
COMMENT    OS Homo sapiens (human)
PN JP 2002191363-A/2273
PD 09-JUL-2002
PF 28-JUL-2000 JP 2000280990
PI TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,KOJI HAYASHI,KAORU
PI SAITO,
PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,
PI KEIICHI NAGAI,TETSUJI OTSUKI
PC C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/ PC
10,
PC C12P21/02,C12Q1/68//C12P21/08,G06F17/30,C12N15/00,C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key
FT source 168 a 246 c 217 g 169 t 4 others
FT Location/Qualifiers
location=Homo sapiens (human)'
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source
1..804
location=Homo sapiens'
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 168 a 246 c 217 g 169 t 4 others
ORIGIN
Query Match 25.9%; Score 555; DB 6; Length 804;
Best Local Similarity .99.8%; Pred. No. 0;
Matches 605; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 77 TAGCAAGCGAGCTTGGGAGGAGCAGCGGCTGCGGGGCGAGAGGATCCCGTCTACCAG 136
Db 1 TAGCAAGCGAGCTTGGGAGGAGCAGCGGCTGCGGGGCGAGAGGATCCCGTCTACCAG 60
QY 137 GTCCCAAGCGGCTGCGCGCGGCTCATGTGCCAAGGAGAGCGCGGAGCGGCTCG 196
Db 61 GTCCCAAGCGGCTGCGCGCGGCTCATGTGCCAAGGAGAGCGCGGAGCGGCTCG 120
QY 197 CGCGGGGGTGTGTACCCAGCAGCATCTCCAAGCAGCTGAACGCCCGGCCAGGTGAAGA 256
Db 121 CGCGGGGGTGTGTACCCAGCAGCATCTCCAAGCAGCTGAACGCCCGGCCAGGTGAAGA 180
QY 257 AAGAACCGAAAGAGAAACACACAGTGTCTGTGTTTGCAACAGCTTGTCTATGCACTTG 316
Db 181 AAGAACCGAAAGAGAAACACACAGTGTCTGTGTTTGCAACAGCTTGTCTATGCACTTG 240
QY 317 GGGAGCCCCCTACCAAGGTGACGGGCTGTGCCCTGGGTTTCTTCCTTCAGATCTACCTAT 376
Db 241 GGGAGCCCCCTACCAAGGTGACGGGCTGTGCCCTGGGTTTCTTCCTTCAGATCTACCTAT 300
QY 377 TGGATGTGGCTCAGGTGGGCCCTTTCTCTGCGCTCCATCATCTCTGTGTTGGGCCGAGCCT 436
Db 301 TGGATGTGGCTCAGGTGGGCCCTTTCTCTGCGCTCCATCATCTCTGTGTTGGGCCGAGCCT 360
QY 437 GGGATGCCATCACAGACCCCCCTGGTGGGCTCTGCGATCAGCAATCCCCCTGGACCTGCC 496
Db          361 GGGATGCCATCACAGACCCCCCTGGTGGGCTCTGCGATCAGCAATCCCCCTGGACCTGCC 420
QY 497 TGGGTGCGCTTATGCTTGATCATCTTCTCCACGCGCCCTGGCCGTCATTGGCTACTTCC 556
Db 421 TGGGTGCGCTTATGCTTGATCATCTTCTCCACGCGCCCTGGCCGTCATTGGCTACTTCC 480
QY 557 TCATCTGGTTGCGTGGCCGACTTCCCACAGCGCCAGACCTATTGGGTACCTGCTTTCTATT 616
Db 481 TCATCTGGTTGCGTGGCCGACTTCCCACAGCGCCAGACCTATTGGGTACCTGCTTTCTATT 540
QY 617 GCCTCTTTGAACAATGGTCACTGTTTCCATGTTCCCTACTCGGCTCTCACCATCTTCA 676
Db 541 GCCTCTTTGAACAATGGTCACTGTTTCCATGTTCCCTACTCGGCTCTCACCATCTTCA 600
QY 677 TCAGCA 682
Db 601 TCAGCA 606
RESULT 16
BD125260
LOCUS      BD125260          780 bp      DNA      linear      PAT 18-SEP-2002
DEFINITION Primer for synthesizing full-length cDNA and use thereof.
ACCESSION  BD125260
VERSION    BD125260.1 GI:23220205
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE  1 (bases 1 to 780)
AUTHORS   Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,K., Otsuki,T. and
Koga,H.
TITLE     Primer for synthesizing full-length cDNA and use thereof
JOURNAL   Patent: JP 2002017375-A 691 22-JAN-2002;
HELIx RESEARCH INSTITUTE
COMMENT    OS Homo sapiens (human)
PN JP 2002017375-A/691
PD 22-JAN-2002
PF 07-JUL-2000 JP 2000253172
PI TOSHIO OTA,TETSUO NISHIKAWA,TAKAO ISOGAI,KOJI HAYASHI,SHIZUKO
PI ISHII,
PI YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NAGAI, PI
SHINICHI KOJIMA,
PI TETSUJI OTSUKI,HISASHI KOGA
PC C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/ PC
10,
PC C12P21/02,C12Q1/68//C12P21/08,G06F17/30,C12N15/00,C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key
FT source 145 a 240 c 222 g 168 t 5 others
FT Location/Qualifiers
location=Homo sapiens (human)'
FEATURES
source
1..780
location=Homo sapiens'
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 145 a 240 c 222 g 168 t 5 others
ORIGIN
Query Match 25.4%; Score 544; DB 6; Length 780;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 644; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 37 GCGCGCTTGGCTAGCGCGCGCGCGCGCTGAGTGTGCTTACGAAGCGAGCTTGGGAGG 96
Db 24 GCGCGCTTGGCTAGCGCGCGCGCGCGCTGAGTGTGCTTACGAAGCGAGCTTGGGAGG 83
QY 97 AGCAGCGGCTGCGGGCGAGAGGAGCATCCCGTCTTACAGGTCCCAACGCGGTGGCCG 156
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Db 84 AGCAGCGGCGCTGCGGGCAGAGGAGCATCCGCTACCAAGTCCCAAGCGCGCTGGCCCG 143
QY CGGGTCATGCGCCAAAGAGAGCGCGGAGAGCGGTCCGCGCGGGGCTGCTACCCACC 216
Db 144 CGGGTCATGCGCCAAAGAGAGCGCGGAGAGCGGTCCGCGCGGGGCTGCTACCCACC 203
QY 217 AGCATCCTCCAAAGCACTGAACCGCCGCGCCAGGTGAAGAAAGAACCCGAAAGAGAAA 276
Db 204 AGCATCCTCCAAAGCACTGAACCGCCGCGCCAGGTGAAGAAAGAACCCGAAAGAGAAA 263
QY 277 CAACAGTTGCTCTTTTGCAACAAGCTTTGCTATGCACTTGGGGAGGCCCTTACCAGGTG 336
Db 264 CAACAGTTGCTCTTTTGCAACAAGCTTTGCTATGCACTTGGGGAGGCCCTTACCAGGTG 323
QY 337 ACGGGCTGTCCTGCGGCTTTCTTCTTCCATGATACCTATTTGATGTTGGCTCAGGTGGGC 396
Db 324 ACGGGCTGTCCTGCGGCTTTCTTCTTCCATGATACCTATTTGATGTTGGCTCANGTGGC 383
QY 397 CTTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCCCTGGGATGCCATCACAGACCC 456
Db 384 CTTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCCCTGGGATGCCATCACAGACCC 443
QY 457 CTGGTGGGCTCTGCATCAGCAATCCCTGACCTGCTGGTGGCTTATGCCCTGG 516
Db 444 CTGGTGGGCTCTGCATCAGCAATCCCTGACCTGCTGGTGGCTTATGCCCTGG 503
QY 517 ATCATCTTCTCCACGCGCCCTGGCGCTCATTCCTGCTGCTGCTGCTGCTGCTGCTGCTG 576
Db 504 ATCATCTTCTCCACGCGCCCTGGCGCTCATTCCTGCTGCTGCTGCTGCTGCTGCTGCTG 563
QY 577 TTCCACACGGCGCAGACCTATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 636
Db 564 TTCCACACGGCGCAGACCTATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 623
QY 637 ACCTGTTTCCATCTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 682
Db 624 ACCTGTTTCCATCTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 669

RESULT 17
BD152652/c
LOCUS BD152652 544 bp DNA linear PAT 17-JAN-2003
DEFINITION Primer for synthesizing full-length cDNA and use thereof.
ACCESSION BD152652
VERSION BD152652.1 GI:27858410
KEYWORDS JP 2002191363-A/7495.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.
Primer for synthesizing full-length cDNA and use thereof
Patent: JP 2002191363-A 7495 09-JUL-2002;
HELIX RESEARCH INSTITUTE
OS Homo sapiens (human)
PN JP 2002191363-A/7495
PD 09-JUL-2002
PE 28-JUL-2000 JP 2000280990
PI TOSHIO OTA, TAKAO ISOGAI, TETSUO NISHIKAWA, KOJI HAYASHI, KAORU
PI SAITO,
PI JUNICHI YAMAMOTO, SHIZUKO ISHII, TOMOYASU SUGIYAMA, AI WAKAMATSU,
PI KEIICHI NAGAI, TETSUJI OTSUKI
PC
C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/ PC
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QY 1871 AAGGAGTGGCCCGCCAGCAGCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1930
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 200484)
Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N.,
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Boguslavsky,L., Bouckhalter,B., Brown,A., Burkett,G.,
Campiano,A., Cooke,A., Choelp,A., Choelp,Y., Colangelo,M., Collins,S.,
Collamore,A., Cooke,P., DeArelano,K., Dewar,K., Diaz,J.S.,
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N.,
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TITLE

JOURNAL

COMMENT

Submitted (03-MAR-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
On Jun 14, 2000 this sequence version replaced gi:7770499.
All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>

----- Genome Center

Center: Whitehead Institute/ MIT Center for Genome Research

Center code: WIBR

Web site: <http://www-seq.wi.mit.edu>

Contact: sequence_submissions@genome.wi.mit.edu

----- Project Information

Center project name: L7675

Center clone name: 204_L_3

* NOTE: This is a 'working draft' sequence. It currently
* consists of 81 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.

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PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,
PI KEIICHI NAGAI,TETSUJI OTSUKI
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Ota,T., Isogai,T., Nishikawa,T., Sugiyama,T., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.
Primer for synthesizing full-length cDNA and use thereof
Patent: JP 2002191363-A 12526 09-JUL-2002;
HELIX RESEARCH INSTITUTE
OS PN JP 2002191363-A/12526
PN JP 2002191363-A/12526
PD 09-JUL-2002
PF 28-JUL-2000 JP 2000280990
PI TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,KOJI HAYASHI,KAORU
PI SAITO,
PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,
PI KEIICHI NAGAI,TETSUJI OTSUKI
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Isogai,T., Ota,T., Hayashi,K., Sugiyama,T., Otsuki,T., Suzuki,Y.,
Nishikawa,T., Nagai,K., Sugano,S., Aotsuka,S., Yoshikawa,Y.,
Matsunawa,H., Ishii,S., Kawai,Y., Saito,K., Yamamoto,J.,
Wakamatsu,A., Nakamura,Y., Nagahara,K., Masuho,Y. and Sasaki,N.
NEDO human cDNA sequencing project
Unpublished
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Isogai,T. and Otsuki,T.
Direct Submission
TITLE
JOURNAL
AUTHORS
REFERENCE
2 (bases 1 to 1768)
Isogai,T. and Otsuki,T.
JOURNAL
COMMENT
Submitted (10-MAY-2001) Takao Isogai, Helix Research Institute,
Genomics Laboratory; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
(E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)
NEDO human cDNA sequencing project supported by Ministry of
Economy, Trade and Industry of Japan; cDNA full insert sequencing;
Research Association for Biotechnology; cDNA library construction;
5'- & 3'-end one pass sequencing and clone selection; Helix
Research Institute (supported by Japan Key Technology Center etc.)
and Department of Virology, Institute of Medical Science,
University of Tokyo.
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515 GGATCATCTTCTCCACGCCCTGGCGCTACTGCTACTTCCATCTGTTGTCGCCG 574

Db

31835 GGATCATCTTCTCCACGCCCTGGCGCTACTGCTACTTCCATCTGTTGTCGCCG 31894

Qy

575 ACTTCCACACGGCCACACCTATGGTACCTGCTTTTCTATTCCTTTTGAACAATGG 634

Db 31895 ACTTCCACACGGCCAGACCTATTGTCACCTTTCTATTGCTCTTTGAACAATGG 31954

QY 635 TCACG 639

Db 31955 TCACG 31959

RESULT 27

AC025002/c

LOCUS

DEFINITION Homo sapiens chromosome 1 clone RP11-204L3 map 1, *** SEQUENCING IN PROGRESS ***, 81 unordered pieces.

ACCESSION AC025002

VERSION

KEYWORDS HTG; HTGS_PHASE1

SOURCE Homo sapiens

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 200484)

AUTHORS Birren, B., Linton, L., Nusbaum, C., Lander, E., Abraham, H., Allen, N., Anderson, S., Baldwin, J., Barna, N., Bastien, V., Beda, F., Boguslavskiy, L., Boukhgalter, B., Brown, A., Burkett, G., Campopiano, A., Castle, A., Choepel, Y., Collangelo, M., Collins, S., Collymore, A., Cooke, P., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S., Domino, M., Doyle, M., Ferreira, P., FitzHugh, W., Gage, D., Galagan, J., Gardyna, S., Ginde, S., Goyette, M., Graham, L., Grand-Pierre, N., Grant, G., Hagos, B., Heaford, A., Horton, L., Howland, J.C., Iliev, I., Johnson, R., Jones, C., Kann, L., Karatas, A., Klein, J., LaRocque, K., Lamazares, R., Landers, T., Lehoczy, J., Levine, R., Lieu, C., Liu, G., Locke, K., Macdonald, P., Marquis, N., McCarthy, M., McEwan, P., McGuck, A., McKernan, K., McPheeters, R., Meldrim, J., Meneus, L., Mihova, T., Miranda, C., Mienga, V., Morrow, J., Murphy, T., Naylor, J., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neill, D., Oliver, T.M., Oliver, J., Peterson, K., Pierre, N., Pisani, C., Pollara, V., Raymond, C., Riley, R., Rogov, P., Rothman, D., Roy, A., Santos, R., Schauer, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J., Tirrell, A., Travers, M., Trigilio, J., Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Zainoun, J., Zimmer, A. and Zody, M.

TITLE Direct Submission

JOURNAL

COMMENT Submitted (03-MAR-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA

On Jun 14, 2000 this sequence version replaced gi:7770499.

All repeats were identified using RepeatMasker:

Smit, A.F.A. & Green, P. (1996-1997)

<http://ftp.genome.washington.edu/RM/RepeatMasker.html>

Center: Whitehead Institute/ MIT Center for Genome Research

Center code: WIBR

Web site: <http://www-seq.wi.mit.edu>

Contact: sequence_submissions@genome.wi.mit.edu

Project Information

Center project name: L7675

Center clone name: 204_L_3

NOTE: This is a 'working draft' sequence. It currently consists of 81 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1 1048: contig of 1048 bp in length

1049 1148: gap of 100 bp

1149 2470: contig of 1322 bp in length

2471 2570: gap of 100 bp

2571 3643: contig of 1073 bp in length

3644 4980: contig of 1237 bp in length

4981 5080: gap of 100 bp

5081 6352: contig of 1272 bp in length

6353 6452: gap of 100 bp

6453 7549: contig of 1097 bp in length

7550 8977: contig of 1328 bp in length

8978 10103: contig of 1026 bp in length

10104 11020: gap of 100 bp

11021 11462: contig of 1159 bp in length

11463 12821: contig of 1359 bp in length

12822 14007: contig of 1086 bp in length

14008 15283: contig of 1176 bp in length

15284 16399: contig of 1016 bp in length

16400 17804: contig of 1305 bp in length

17805 19176: contig of 1272 bp in length

19177 20384: contig of 1108 bp in length

20385 21689: contig of 1205 bp in length

21690 23291: contig of 1402 bp in length

23292 24513: contig of 1222 bp in length

24514 26135: contig of 1522 bp in length

26136 27373: contig of 1138 bp in length

27374 28723: contig of 1250 bp in length

28724 30218: contig of 1394 bp in length

30219 32156: gap of 100 bp

32157 33818: contig of 1662 bp in length

33819 35256: contig of 1238 bp in length

35257 36712: contig of 1456 bp in length

36713 38379: contig of 1567 bp in length

38380 40190: contig of 1711 bp in length

40191 41780: contig of 1490 bp in length

41781 44053: contig of 2173 bp in length

44054 45474: contig of 1321 bp in length

45475 46821: contig of 1247 bp in length

46822 47302: contig of 381 bp in length

47303 49423: contig of 1921 bp in length

49424 51140: contig of 1717 bp in length

51141 53099: contig of 1859 bp in length

53100 54631: contig of 1432 bp in length

54632 55751: contig of 1020 bp in length

55752

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* 55752 55851: gap of 100 bp
* 55852 57470: contig of 1619 bp in length
* 57471 57570: gap of 100 bp
* 57571 60182: contig of 2612 bp in length
* 60183 60282: gap of 100 bp
* 60283 63085: contig of 2783 bp in length
* 63066 63165: gap of 100 bp
* 64436 64443: contig of 1278 bp in length
* 64444 64543: gap of 100 bp
* 64544 66043: contig of 1500 bp in length
* 66044 66143: gap of 100 bp
* 66144 68623: contig of 2480 bp in length
* 68624 68723: gap of 100 bp
* 68724 70122: contig of 1399 bp in length
* 70123 70222: gap of 100 bp
* 70223 72407: contig of 2185 bp in length
* 72408 72507: gap of 100 bp
* 72508 74635: contig of 2128 bp in length
* 74636 74735: gap of 100 bp
* 74736 77554: contig of 2819 bp in length
* 77555 77654: gap of 100 bp
* 77655 80277: contig of 2623 bp in length
* 80278 80377: gap of 100 bp
* 80378 81798: contig of 1421 bp in length
* 81799 81898: gap of 100 bp
* 81899 84126: contig of 2228 bp in length
* 84127 84226: gap of 100 bp
* 84227 86794: contig of 2568 bp in length
* 86795 86894: gap of 100 bp
* 86895 90311: contig of 3417 bp in length
* 90312 90411: gap of 100 bp
* 90412 92255: contig of 1844 bp in length
* 92256 94570: contig of 2215 bp in length
* 94571 94670: gap of 100 bp
* 94671 97163: contig of 2493 bp in length
* 97164 97263: gap of 100 bp
* 97264 99724: contig of 2461 bp in length
* 99725 99824: gap of 100 bp
* 99825 103152: contig of 3327 bp in length
* 103153 103252: gap of 100 bp
* 103253 106370: contig of 3119 bp in length
* 106371 106470: gap of 100 bp
* 106471 108889: contig of 2418 bp in length
* 108890 108989: gap of 100 bp
* 108990 111514: contig of 2526 bp in length
* 111515 111615: gap of 100 bp
* 111616 114360: contig of 2746 bp in length
* 114361 114460: gap of 100 bp
* 114461 118269: contig of 3809 bp in length
* 118270 118369: gap of 100 bp
* 118370 122359: contig of 3990 bp in length
* 122360 122459: gap of 100 bp
* 122460 125669: contig of 3210 bp in length
* 125670 125769: gap of 100 bp
* 125770 129308: contig of 3537 bp in length
* 129309 129406: gap of 100 bp
* 129407 132984: contig of 3578 bp in length
* 132985 133084: gap of 100 bp
* 133085 133760: contig of 4276 bp in length
* 133761 137460: gap of 100 bp
* 137461 140476: contig of 3016 bp in length
* 140477 140576: gap of 100 bp

Query Match
Best Local Similarity 100.0%; Pred. No. 2.9e-62; Length 200484;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 967 AGAACCTATGAAGCCAGCAGTGTGAGCCAACTGCTTCCGGGCGCTACGGCTGGT 1026
Db 98268 AGAACCTATGAAGCCAGCAGTGTGAGCCAACTGCTTCCGGGCGCTACGGCTGGT 98209
Qy 1027 CATGAGCCAGGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTCTGGCTTT 1086

Db 98208 CATGAGCCAGGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTCTGGCTTT 98149
Qy 1087 CATG 1090
Db 98148 CATG 98145

RESULT 28
BD126011/c
LOCUS BD126011
DEFINITION Primer for synthesizing full-length cDNA and use thereof.
ACCESSION BD126011
VERSION BD126011.1 GI:23220956
KEYWORDS JP 2002017375-A/1442.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 601)
AUTHORS Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and
Koga,H.
TITLE Primer for synthesizing full-length cDNA and use thereof
JOURNAL Patent: JP 2002017375-A 1442 22-JAN-2002;
COMMENT OS Homo sapiens (human)
PN JP 2002017375-A/1442
PD 22-JAN-2002
PF 07-JUL-2000 JP 200253172
PI TOSHIO OTA,TETSUO NISHIKAWA,TAKAO ISOGAI,KOJI HAYASHI,SHIZUKO
SHINICHI KOJIMA,
PI YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NAGAI, PI
PI TETSUJI OTSUKI,HISASHI KOGA
PC C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/ PC
10,
PC C12P21/02,C12Q1/68/C12P21/08,G06F17/30,C12N15/00,C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key
FT source 1..601
FT Location/Qualifiers
1..601
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 148 a 165 c 129 g 144 t 15 others
ORIGIN
Query Match
Best Local Similarity 3.7%; Score 80; DB 6; Length 601;
Matches 80; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2058 TTAATGACTGTGTACATAGCAATGTGTGTATGTATATATGTGTGTAGCTATTATGTTA 2117
Db 80 TTAATGACTGTGTACATAGCAATGTGTGTATGTATATATGTGTGTAGCTATTATGTTA 21
Qy 2118 TTAATTTTCATAAAGCTGG 2137
Db 20 TTAATTTTCATAAAGCTGG 1

RESULT 29
AC106432
LOCUS AC106432
DEFINITION Rattus norvegicus clone CH230-188i13, WORKING DRAFT SEQUENCE, 4
unordered pieces.
ACCESSION AC106432
VERSION AC106432.5 GI:30581008
KEYWORDS HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP.
SOURCE Rattus norvegicus (Norway rat)
```

ORGANISM Rattus norvegicus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.

REFERENCE 1 (bases 1 to 212026)
 Muzny, D. Marie., Metzker, M. Lee., Abramson, S., Adams, C., Alder, J., Allen, C., Allen, H., Alsbrooks, S., Amin, A., Anguiano, D., Anyalebechi, V., Aoyagi, A., Ayodeji, M., Baca, E., Baden, H., Baldwin, D., Bandaranaike, D., Barber, M., Barnstead, M., Benahmed, F., Biswal, K., Blair, J., Blankenburg, K., Blyth, P., Brown, M., Bryant, N., Buhay, C., Burch, P., Burrell, K., Calderon, E., Cardenas, V., Carter, K., Cavazos, I., Cesar, H., Center, A., Chacko, J., Chavez, D., Chen, G., Chen, R., Chen, Y., Chen, Z., Chu, J., Cleveland, C., Cockrell, R., Cox, C., Coyle, M., Cree, A., D'Souza, L., Davila, M. L., Davis, C., Davy-Carroll, L., De Anda, C., Dederich, D., Delgado, O., Denson, S., Deramo, C., Ding, Y., Dinh, H., Divya, K., Draper, H., Dugan-Rocha, S., Dunn, A., Durbin, K., Duval, B., Eaves, K., Egan, A., Escotto, M., Eugene, C., Evans, C. A., Falls, T. F., Fan, G., Fernandez, S., Finley, M., Flagg, N., Forbes, L., Foster, M., Foster, P., Fraser, C. M., Gabisi, A., Ganta, R., Garcia, A., Garner, T., Garza, M., Gebregeorgis, E., Geer, K., Gill, R., Grady, M., Guerra, W., Guevara, W., Gunaratne, P., Haaland, W., Hamil, C., Hamilton, C., Hamilton, K., Harvey, X., Havlak, P., Hawes, A., Henderson, N., Hernandez, J., Hernandez, R., Hines, S., Hladun, S. L., Hodgson, A., Hogues, M., Hollins, B., Howells, S., Hulyk, S., Hume, J., Idlebird, D., Jackson, A., Jackson, L., Jacob, L., Jiang, H., Johnson, B., Johnson, R., Jolivet, A., Karpathy, S., Kelly, S., Kelly, S., Khan, Z., King, L., Kovar, C., Kowls, C., Kraft, C. L., Lebow, H., Levan, J., Lewis, L., Li, Z., Liu, J., Liu, J., Liu, W., Liu, Y., London, P., Longacre, S., Lopez, J., Lorenshew, L., Louiseged, H., Lozado, R. J., Lu, X., Ma, J., Maheshwari, M., Mahindartne, M., Mahmoud, M., Malloy, K., Mangum, A., Mangum, B., Mapua, P., Martin, K., Martin, R., Martinez, E., Mawhinney, S., McLeod, M. P., McNeill, T. Z., Meenen, E., Milosavljevic, A., Miner, G., Minja, E., Montemayor, J., Moore, S., Morgan, M., Morris, K., Morris, S., Munidasa, M., Murphy, M., Nair, L., Nankervis, C., Neal, D., Newton, N., Nguyen, N., Norris, S., Nwaokeme, O., Okwuonu, G., Olarnpunsagoon, A., Pal, S., Parks, K., Pasternak, S., Paul, H., Perez, A., Perez, L., Prankkoo, C., Plopper, F., Poindexter, A., Popovic, D., Primus, E., Pu, L. L., Puzo, M., Quirroz, J., Rachlin, E., Reeves, K., Regier, M. A., Reigh, R., Reilly, B., Reilly, M., Ren, Y., Reuter, M., Richards, S., Riggs, F., Rives, C., Rodkey, T., Rojas, A., Rose, M., Rose, R., Ruiz, S. J., Sanders, W., Saverly, G., Scherer, S., Scott, G., Shatsman, S., Shen, H., Shetty, J., Shvartsbeyn, A., Sisson, I., Sitter, C. D., Smajls, D., Sneed, A., Sodergren, E., Song, X. Z., Sorelle, R., Sosa, J., Steidle, M., Strong, R., Sutton, A., Svatek, A., Tabor, P., Taylor, C., Taylor, T., Thomas, N., Thomas, S., Tingey, A., Trejos, Z., Usmani, K., Valas, R., Vera, V., Villasana, D., Waldron, L., Walker, B., Wang, J., Wang, Q., Wang, S., Warren, J., Warren, R., Wei, X., White, F., Williams, G., Willson, R., Wlarczyk, R., Wooden, H., Worley, K., Wright, D., Wright, R., Wu, J., Yakub, S., Yen, J., Yoon, L., Yoon, V., Yu, F., Zhang, J., Zhou, J., Zhou, X., Zhao, S., Dunn, D., von Niederhausern, A., Weiss, R., Smith, D. R., Holt, R. A., Smith, H. O., Weinstock, G. and Gibbs, R. A.

Direct Submission
 Unpublished
 2 (bases 1 to 212026)
 Worley, K. C.

REFERENCE 2 (bases 1 to 212026)
 Direct Submission
 Submitted (12-JAN-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA

REFERENCE 3 (bases 1 to 212026)
 Direct Submission
 Submitted (13-MAY-2003) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA

COMMENT
 On May 13, 2003 this sequence version replaced gi:24819132. The sequence in this assembly is a combination of BAC based reads and whole genome shotgun sequencing reads assembled using Atlas (<http://www.hgsc.bcm.tmc.edu/projects/rat/>). Each contig described in the feature table below represents a scaffold in the Atlas

assembly (a 'contig-scaffold'). Within each contig-scaffold, individual sequence contigs are ordered and oriented, and separated by sized gaps filled with Ns to the estimated size. The sequence may extend beyond the ends of the clone and there may be sequence contigs within a contig-scaffold that consist entirely of whole genome shotgun sequence reads. Both end sequences and whole genome shotgun sequence only contigs will be indicated in the feature table.

----- Genome Center
 Center: Baylor College of Medicine
 Center code: BCM
 Web site: <http://www.hgsc.bcm.tmc.edu/>
 Contact: hgsc-help@bcm.tmc.edu
 ----- Project Information
 ----- Project name: GKXB
 Center clone name: CH230-188113
 ----- Summary Statistics
 Assembly program: Atlas 3.0:
 Consensus quality: 203313 bases at least Q40
 Consensus quality: 205311 bases at least Q30
 Consensus quality: 206730 bases at least Q20
 Estimated insert size: 212502; sum-of-contigs estimation
 Quality coverage: 8x in Q20 bases; sum-of-contigs estimation

* NOTE: Estimated insert size may differ from sequence length
 * (see http://www.hgsc.bcm.tmc.edu/docs/genbank_draft_data.html).
 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 4 contigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 * be preserved.

* 1 117657: contig of 117657 bp in length
 * 117658 117757: gap of unknown length
 * 117758 181359: contig of 63602 bp in length
 * 181360 181459: gap of unknown length
 * 210912: contig of 29453 bp in length
 * 210913 211012: gap of unknown length
 * 211013 212026: contig of 1014 bp in length.

FEATURES
 Location/Qualifiers
 1..212026
 /organism="Rattus norvegicus"
 /mol_type="genomic DNA"
 /db_xref="taxon:10116"
 /clone="CH230-188113"
 complement(539..1284)
 /note="clone_boundary
 clone_end:T7
 site:EcoRI
 end_sequence:BH328753"
 complement(116484..117144)
 /note="clone_boundary
 clone_end:Sp6
 site:EcoRI
 end_sequence:BH328754"
 BASE COUNT 56053 a 46242 c 46771 g 58845 t 4115 others
 ORIGIN

Query Match 2.5%; Score 53; DB 2; Length 212026;
 Best Local Similarity 100.0%; Pred. No. 3.8e-19;
 Matches 53; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1433 GAGCCCATCTTCTTCTCTTCTATGCTCTTCTCACCAGTTGCTCTGGAGT 1485
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 139822 GAGCCCATCTTCTTCTCTCTTCTATGCTCTTCTCACCAGTTGCTCTGGAGT 139874

RESULT 30
 AC103185/c 242346 bp DNA linear HTG 13-MAY-2003
 LOCUS AC103185
 DEFINITION Rattus norvegicus clone CH230-106121, WORKING DRAFT SEQUENCE, 4

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 Shinkens, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
Patent: WO 0140521-A 5727 07-JUN-2001;
Curagen Corporation (US)

FEATURES

Location/Qualifiers
1..51
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
26
misc_feature
/note="1 of 2 allelic variants (5728 is other entry)"
Accession number cg44023886"

BASE COUNT

10 a 14 c 15 g 12 t

ORIGIN

Query Match 2.4%; Score 51; DB 6; Length 51;
Best Local Similarity 100.0%; Pred. No. 3.1e-18;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1525 GTACACAGACCGTGGCTGCTCCAGCGGAGACGTGTCAGATTACACTGAA 1575

DB 51 GTACACAGACCGTGGCTGCTCCAGCGGAGACGTGTCAGATTACACTGAA 1

RESULT 32

BC046793 2148 bp mRNA linear ROD 14-FEB-2003
Mus musculus, RIKEN cDNA 1700018018 gene, clone MGC:61288
IMAGE:5717701, mRNA, complete cds.

ACCESSION

BC046793

VERSION

BC046793.1 GI:28386139

KEYWORDS

MGC.

SOURCE

Mus musculus (house mouse)
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 2148)
Strausberg, R.
Direct Submission
Submitted (13-FEB-2003) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA

REMARK

NIH-MGC Project URL: <http://mgc.nci.nih.gov>

COMMENT

Contact: MGC help desk
Email: cgabps@mail.nih.gov
Tissue Procurement: Dr. Jim Lin, University of Iowa
cDNA Library Preparation: M. Bento Soares, University of Iowa
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: University of Iowa, Dr. M. Bento Soares and Dr.
Thomas L. Casavant.
Web site: <http://genome.uiowa.edu>
Contact: bento-soares@uiowa.edu; tom-casavant@uiowa.edu
Bonaldi, M.F., Akabogu, I., Bair, T., Bair, J., Crouch, K., Davis, A.,
Fisher, K., Koppel, C., Kucaba, T., Lebeck, M., Melo, A., Schaefer, K.,
Schetz, T., Smith, C., Snir, E., Tack, D., Trout, K., Walters, J.,
Casavant, T., Soares, M.B.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: Plate: Row: Column: 0.

FEATURES

Location/Qualifiers
1..2148
/organism="Mus musculus"
/mol_type="mRNA"
/strain="C57BL/6"
/db_xref="taxon:10090"
/clone="MGC:61288 IMAGE:5717701"
/tissue_type="Brain, mouse 12.5 dpc"

CDS

/clone_lib="NIH_BMAP_FDO"
/lab_host="DH10B"
/note="Vector: pYX"
138..1742
/codon_start=1
/product="RIKEN cDNA 1700018018 gene"
/protein_id="AAH46793.1"
/db_xref="GI:28386140"
/db_xref="LocusID:76574"
/translation="MAKGEAEGSSAAGLLPTSLQASERPQVKKPEKKKQOLSICN
KLCYAGGAPYQLTGCALGFELHIYLLDVAKVEPLPASILFVGAWDAFDPLVGFC
ISKSWTRIGRLPWIIETFEQSDRSATAYRMTVEVLGTGTAIGQILVGGAKAPCLQ
LVTCPHYPSALTMTFISTEQSERDSATAYRMTVEVLGTGTAIGQILVGGAKAPCLQ
DQNGSVYSEVANRTQSTASKDTQAYLLAAGIIASIVLCFAITLILGVREQRLEYE
SQQAEMPFQGLRLVGMGPYVKLIAGFLFTSLAFMLVEGNALFCTYITLDFRNEFQ
NLLALMLSATFTIPIMQELTRFGKTAIVGISSAVPELILVLMERNLITVTVVA
VAAGSVAAAEFLPHSMLPDVIDDPLKHPHSGTEPIEFSEYVFFTFASGVSIGVS
TSLDFANTRQGGCQSQPEQVKTFLKMLVTMAPILILGLLLFLKLYPIDEKRRONKK
ALQALREASSSGSDTSTELASIL"

BASE COUNT

469 a 614 c 539 g 526 t

Query Match 2.2%; Score 48; DB 10; Length 2148;

Best Local Similarity 100.0%; Pred. No. 2.8e-16;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 144 GCGGCGTGGCCGCGGTGATGCCAAAGAGAGCGCGGAGACGG 191

DB 119 GCGGCGTGGCCGCGGTGATGCCAAAGAGAGCGCGGAGACGG 166

RESULT 33

AL606906/c

LOCUS

AL606906 198772 bp DNA linear ROD 25-JUL-2002
Mouse DNA sequence from clone RP23-121J14 on chromosome 4, complete
sequence.

ACCESSION

AL606906

VERSION

AL606906.18 GI:21955487

KEYWORDS

HTG.

SOURCE

Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Sehna, H.
Direct Submission
Submitted (25-JUL-2002) Wellcome Trust Sanger Institute, Hinxton,
Cambridgeshire, CB10 1SA, UK. E-mail enquiries:
humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Jul 25, 2002 this sequence version replaced gi:21912638.

COMMENT

----- Genome Center
Center: Wellcome Trust Sanger Institute
Center code: SC
Web site: <http://www.sanger.ac.uk>
Contact: humquery@sanger.ac.uk

During sequence assembly data is compared from overlapping clones.
Where differences are found these are annotated as variations
together with a note of the overlapping clone name. Note that the
variation annotation may not be found in the sequence submission
corresponding to the overlapping clone, as we submit sequences with
only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all
regions were either double-stranded or sequenced with an alternate
chemistry or covered by high quality data (i.e., phred quality >=
30); an attempt was made to resolve all sequencing problems, such
as compressions and repeats; all regions were covered by at least
one plasmid subclone or more than one M13 subclone; and the
assembly was confirmed by restriction digest. The following
abbreviations are used to associate primary accession numbers given
in the feature table with their source databases: Em:, EMBL; Sw:,
SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP
database can be found at

http://www.sanger.ac.uk/Projects/C_elegans/wormpep RP23-121J14 is from the RPI-23 Mouse PAC Library constructed by the group of Pieter de Jong. For further details see <http://www.chori.org/bacpac/home.htm> VECTOR: pBACE3.6.

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FEATURES
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    Location/Qualifiers
      1..198772
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        /clone_1lb="RPI-23"
BASE COUNT    54889 a 44631 c 45410 g 53842 t
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Query Match      2.2%   Score 48;  DB 10;  Length 198772;
Best Local Similarity 100.0%;  Pred. No. 4.1e-16;
Matches 48;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy  144  GCGCGTGGCCGCGGTCTATGCCAAAGGAGAGCGCGGAGAGCGG 191
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Db  102734  GCGCGTGGCCGCGGTCTATGCCAAAGGAGAGCGCGGAGAGCGG 102687

RESULT 34
AF339083
LOCUS      Mus musculus lens epithelium-derived growth factor b (mLedgfb)
DEFINITION
ACCESSION  AF339083
VERSION    AF339083.1  GI:28190023
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM
REFERENCE
  AUTHORS
  TITLE    Direct Submission
  JOURNAL  Submitted (23-JAN-2001) Institute of Genetics, Fudan University,
            No. 220 Handan Road, Shanghai 200433, P. R. China
FEATURES
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        /organism="Mus musculus"
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        /db_xref="taxon:10090"
        1..1966
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        362..1357
        /gene="mLedgfb"
        /note="mLEDGfb"
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        /product="lens epithelium-derived growth factor b"
        /protein_id="AA032950.1"
        /db_xref="GI:28190024"
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        FGHTEAFLEKIDIFPYSENKYGKPKNGFNEGLWEIDNNPKVFSQOASTKOS
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        EAGMTAATASNVKASPKRGPAAVEVKIPRGRPKVVKQPCPSGDWYIDEKSKK
        KGPEEKQPKLKKEEGQKEEKPRKEPKKQKEKVEKSRKNLAKPQGVITSDSD
        EDQEGKKRKGGRNFQAAHRNMLKQHEKAGDRKRKQEQMETEQOQNKDEGSKPE
        VKVEKKRQTSMDSRQRIHAEIKNSLKDIDNLDVNRICIEALDELASLQVMTQQAQKHT
        EMITLKKIRRFKVSQVMEKSTMLYNKFNMLFVGEGDSVITQVLAKSLAEORQHEE
        ANTKDQGGKPKNKLEKPTGTGKSLNGSDAQENHPQHNGDSNEDGKDSREASSKT
        KPGEEREAEISIKESTLDN"
BASE COUNT    663 a 394 c 490 g 419 t
ORIGIN
Query Match      1.9%   Score 40;  DB 10;  Length 1966;
Best Local Similarity 100.0%;  Pred. No. 2e-11;
Matches 40;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy  1  CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGG 40
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Db  12  CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGG 51

RESULT 36
AX135551
LOCUS      Sequence 48 from Patent WO0132888.
DEFINITION  AX135551
ACCESSION  AX135551
VERSION    AX135551.1  GI:14271821
KEYWORDS
SOURCE     Homo sapiens (human)
ORGANISM
REFERENCE
  AUTHORS
  TITLE    Human transferrin molecules
  JOURNAL  Patent: WO 0132888-A 48 10-MAY-2001;
            Incyte Genomics, Inc. (US)
FEATURES
  source
    Location/Qualifiers
      1..1003
        /organism="Homo sapiens"
        /mol_type="cDNA"
        /db_xref="taxon:9606"
        1..1003
        /gene="Euteleostomi"
        /note="Euteleostomi; Chordata; Vertebrata; Euteleostomi;
        Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
        Tang,Y.T., Yue,H., Hillman,J.L., Lal,P., Bandman,O., Patterson,C.,
        Shih,L.L., Azimzai,Y., Lu,D.A. and Baughn,M.R.
        Human transferrin molecules
        Patent: WO 0132888-A 48 10-MAY-2001;
        Incyte Genomics, Inc. (US)
        Location/Qualifiers
          1..1003
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/db_note="Incyte ID No: 852708CB1"
236 a 228 c 344 g 195 t

BASE COUNT
ORIGIN

Query Match 1.8%; Score 38; DB 6; Length 1003;
Best Local Similarity 100.0%; Pred. No. 3.1e-10; Indels 0; Gaps 0;
Matches 38; Conservative 0; Mismatches 0;

QY 1 CGGACGCGTGGCGGCGGCGTGGCGGCGGCGTGGCGGCG 38
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Db 14 CGGACGCGTGGCGGCGGCGGCGTGGCGGCGGCGGCGGCG 51

RESULT 37
BC023261 1113 bp mRNA linear ROD 16-APR-2003
LOCUS Mus musculus Rho GTPase-activating protein, mRNA (cdna clone
DEFINITION IMAGE:3481952), partial cds.
ACCESSION BC023261
VERSION 1 GI:23958261
KEYWORDS Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 1113)
Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,
Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,
Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K.,
Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F.,
Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L.,
Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L.,
Schectz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S.,
Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J.,
Abramson,R.D., Mullaly,S.J., Bosak,S.A., McEwan,P.J.,
McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S.,
Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W.,
Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A.,
Fahey,J., Helton,E., Kettman,M., Madan,A., Rodriguez,S.,
Scheuch,A., Whitting,M., Madan,A., Young,A.C., Shevchenko,Y.,
Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D.,
Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,
Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smalls,D.E.,
Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.
Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
22388257
12477932
2 (bases 1 to 1113)
Strausberg,R.
Direct Submission
Submitted (05-FEB-2002) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NTH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: gcpapc-f@mail.nih.gov
Tissue Procurement: Lother Hennighausen Ph.D., Robin Humphreys
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
Sequencing Center
Center code: BCM-HGSC
Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Loulseged, H.,
Kovis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati,
A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 40 Row: a Column: 21
This clone was selected for full length sequencing because it
passed the following selection criteria: Hexamer frequency ORF
analysis.

FEATURES
source
Location/Qualifiers
1..1113
/organism="Mus musculus"
/mol_type="mRNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:3481952"
/tissue_type="Mammary tumor. WAP-TGF alpha model. 7 months
old. gross tissue."
/clone_lib="NCL-CGAP_Mam5"
/lab_host="DH10B"
/note="Vector: PCMV-SPORT6"
324 a 300 c 301 g 188 t

BASE COUNT
ORIGIN

Query Match 1.8%; Score 38; DB 10; Length 1113;
Best Local Similarity 100.0%; Pred. No. 3.1e-10; Indels 0; Gaps 0;
Matches 38; Conservative 0; Mismatches 0;

QY 1 CGGACGCGTGGCGGCGGCGTGGCGGCGGCGTGGCGGCG 38
|||||
Db 1 CGGACGCGTGGCGGCGGCGTGGCGGCGGCGGCGGCGGCG 38

RESULT 38
AB042043 1184 bp mRNA linear VRT 02-MAY-2000
LOCUS Cypselurus agoo mRNA for myosin light chain 1, complete cds.
DEFINITION AB042043
VERSION 1 GI:7678739
KEYWORDS myosin light chain 1.
SOURCE Cypselurus agoo
ORGANISM Cypselurus agoo
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Atherinomorpha;
Belontiiformes; Exocoetidae; Cypselurus.
1 (bases 1 to 1184)
Ishizaki,S., Masuda,Y., Tanaka,M., Hirayama,Y., Kakinuma,M. and
Watabe,S.
Flying fish mRNA for fast skeletal myosin light chain 1
Published Only in Database (2000)
2 (bases 1 to 1184)
Ishizaki,S., Masuda,Y., Tanaka,M., Hirayama,Y., Kakinuma,M. and
Watabe,S.
Direct Submission
Submitted (21-APR-2000) Shoichiro Ishizaki, Tokyo University of
Fisheries, Department of Food Science and Technology, Konan 4-5-7,
Minato, Tokyo 108-8477, Japan (E-mail:ishizaki@tokyo-u-fish.ac.jp,
Tel:+81-3-5463-0614, Fax:+81-3-5463-0614)

FEATURES
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Location/Qualifiers
1..1184
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/mol_type="mRNA"
/db_xref="taxon:123223"
/tissue_type="fast skeletal muscle"
/dev_stage="adult"
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1..1184
/gene="mlc1"
108..683
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/product="myosin light chain 1"
/protein_id="BAA95132.1"
/db_xref="GI:7678740"

gene
CDS

```


cdna Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Genome Sequence Centre,
 BC Cancer Agency, Vancouver, BC, Canada
 info@cgsc.bc.ca

Steven Jones, Jennifer Asano, Ian Bosdet, Yaron Butterfield,
 Susanna Chan, Readman Chiu, Chris Fjell, Erin Garland, Ran Guin,
 Letitia Hsiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo
 Sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven
 Ness, Pawan Pandoh, Anna-Liisa Prabhu, Parvaneh Saeedi, Jacqueline
 Schein, Duane Smailus, Michael Smith, Lorraine Spence, Jeff Stott,
 Michael Thorne, Miranada Tsai, Natasja van den Bosch, Jill Vardy,
 George Yang, Scott Zuyderduyn, Marco Marra.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
 Series: IRAK Plate: 96 Row: 0 Column: 4
 This clone was selected for full length sequencing because it
 passed the following selection criteria: Similarity but not
 identity to protein.

FEATURES
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 /clone="IMAGE:5570040"
 /tissue_type="Embryo, stage 31/32, Xenopus"
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 /note="Vector: pCMV-SPORT6"
 <1..1062
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 GSKWTSPMWGLGSLDSTVGMGLGIGIAQRLPFGVKRFLXTGIPPCLSKVE
 ELKAEIVSTEKLAESDFVLSPLPTPETAGCNKDFQRMKKTAVFTNISRGPVYNQ
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BASE COUNT 359 a 258 c 334 g 332 t
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Query Match 1.7%; Score 37; DB 5; Length 1283;
 Best Local Similarity 100.0%; Pred. No. 1.3e-09;
 Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGCGGCGGCGTGGGG 37
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 Db 1 CGGACGCGTGGCGGACGCGTGGCGGCGGCGGCGTGGGG 37

RESULT 41
 BC018513 2049 bp mRNA linear ROD 16-APR-2003
 LOCUS Mus musculus RIKEN cdna 2410003M22 gene, mRNA (cdna clone MGC:27991
 IMAGE:3597859), complete cds.
 DEFINITION
 ACCESSION BC018513 GI:17391211
 VERSION MGC.
 KEYWORDS Mus musculus (house mouse)
 SOURCE
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 2049)
 Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,
 Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,
 Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K.,
 Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F.,
 Diatchenko,L., Marusina,K., Farmer,A.K., Rubin,G.M., Hong,L.,
 Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L.,

Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S.,
 Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J.,
 Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J.,
 McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S.,
 Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W.,
 Villalón,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A.,
 Fahney,J., Helton,E., Kettman,M., Madan,A., Rodriguez,S.,
 Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y.,
 Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D.,
 Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,
 Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E.,
 Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.
 Generation and initial analysis of more than 15,000 full-length
 human and mouse cDNA sequences
 Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
 22388257
 12477932
 2 (bases 1 to 2049)
 Strausberg,R.
 Direct Submission
 Submitted (03-DEC-2001) National Institutes of Health, Mammalian
 Gene Collection (MGC), Cancer Genomics Office, National Cancer
 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
 USA
 NIH-MGC Project URL: <http://mgc.nci.nih.gov>
 Contact: MGC help desk
 Email: cgapbs-remail.nih.gov
 Tissue Procurement: Jeffrey Green M.D.
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Baylor College of Medicine Human Genome
 Sequencing Center
 Center code: BCM-HGSC
 Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
 Contact: amg@bcm.tmc.edu
 Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Loulseged, H.,
 Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati,
 A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
 Series: IRAK Plate: 35 Row: n Column: 14
 This clone was selected for full length sequencing because it
 passed the following selection criteria: Similarity but not
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FEATURES
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 ductal carcinoma. 5 month old virgin mouse."
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 /lab_host="DH10B"
 /note="Vector: pCMV-SPORT6"
 1..2049
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 /db_xref="GI:17391212"
 /db_xref="LocusID:69737"
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 NLTKTPVPAQNGIQLPVNSNRDREFFLASYNKKEDGEGNWIAKSSAGAKGEGI
 LISSPASLEDFIDSQGVHVITQKYLEPRLLEPGHRAFDIRSWVLVDHQNTIYLRE
 GYLRTASEFYHVDNFQDKTCHLTNHCIOKEYSKNYKEGNEFMFEFNQYLTSLN
 ITLESSILLQIKHIIIRSLMSVEIPAISTKHLPIQSQFLLGDFMVDLEELKWLIEVNG

gene
 CDS

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APACAQKLAELCQGIIVDIAISSVFPPDTEQVPOQPAAFVKL"
BASE COUNT 492 a 541 c 611 g 405 t
ORIGIN
Query Match 1.7%; Score 37; DB 10; Length 2049;
Best Local Similarity 100.0%; Pred. No. 1.3e-09;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
Db 13 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 49
|||||
RESULT 42
BC027373
LOCUS BC027373 2375 bp mRNA linear ROD 20-SEP-2002
DEFINITION Mus musculus, similar to hypothetical protein FLJ12587, clone
MGC:36331 IMAGE:4948451, mRNA, complete cds.
ACCESSION BC027373
VERSION BC027373.1 GI:20072084
KEYWORDS MGC.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
TITLE Strausberg, R.
JOURNAL Direct Submission
Submitted (04-APR-2002) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
REMARK NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT Contact: MGC help desk
Email: cgaops-remail.nih.gov
Tissue Procurement: Jeffrey Green M.D.
CDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
Sequencing Center
Center code: BCM-HGSC
Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: amg@bcm.tmc.edu
Gunnaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Hale, S.M.,
Yoon, V.S., Kowis, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.,
Richards, S., Gibbs, R.A.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAC Plate: 60 Row: 1 Column: 3
This clone was selected for full length sequencing because it
passed the following selection criteria: Hexamer frequency ORF
analysis.
FEATURES
source Location/Qualifiers
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/mol_type="mRNA"
/strain="FVB/N"
/db_xref="taxon:10090"
/clone="MGC:36331 IMAGE:4948451"
/tissue_type="Mammalian tumor, C3(1)-Tag model. Infiltrating
ductal carcinoma. 5 month old virgin mouse."
/clone_lib="NCI_CGAP_Mam6"
/lab_host="DH10B"
/note="Vector: pCMV-SPORT6"
161..1930
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/protein_id="AAH27373.1"
/db_xref="GI:20072085"
/translation="MSVSVHETKRSSTGSMNISVFHKAHPDCVLAHLNLRKHCM
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DFAYSRIVINEENAESLLEAGDMLQFDHVRDAAAEFLKLNLSPSNCLGMWVLSDAHQ
CRLLEYSCRMSLVHFETVRQSEDFNSLRDITLIDLSRDELETEDERVVFEILQWV
KHDEQKAHLPLLRNRLALLPLSGCLNMAVSGEALLMADECTKLIDAFRCRKYKI
LLNDGVVTSPFARPRKAGHTLLILGGOTMCDKIYVDHKAEIIPKADLPSPRKES
ASAIKCKVYVTGCGSENGSVKDWYVDVHEWESKAAPMLIARFGHGSARENLCLYV
VGHTSLAGIFPASPVSLSKVEKYDPGDNKNKTWAPMRDGVSNAAVVSAKLKLFPFG
GTSIHDMVSKVOCFDPFSENRNRTIKAECPQWPRTYAAVLGSIQIFIMGGDTETAASA
YRFDCTNQTWRIGDMTKARKMSCHVASGNKLYVGGYFGTQRCKTLDICYDPTSDTN
CITTPYSLIPTAFVSTWKLHPA"
BASE COUNT 557 a 618 c 697 g 503 t
ORIGIN
Query Match 1.7%; Score 37; DB 10; Length 2375;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
Db 25 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 61
|||||
RESULT 43
AX464072
LOCUS AX464072 2782 bp DNA linear PAT 16-JUL-2002
DEFINITION Sequence 205 from Patent WO0140466.
ACCESSION AX464072
VERSION AX464072.1 GI:21899053
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE Baker, K.P., Beresini, M., Deforge, L., Desnoyers, L., Filvaroff, E.,
Gao, W.Q., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L.,
Sherwood, S., Smith, V., Stewart, T.A., Tumas, D., Watanabe, C.K.,
Wood, W.L. and Zhang, Z.
JOURNAL Secrected and transmembrane polypeptides and nucleic acids encoding
same
Patent: WO 0140466-A 205 07-JUN-2001;
Genentech Inc. (US)
FEATURES
source Location/Qualifiers
1..2782
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 785 a 641 c 710 g 646 t
ORIGIN
Query Match 1.7%; Score 37; DB 6; Length 2782;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
Db 1 CGGACCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
RESULT 44
AX405678
LOCUS AX405678 5173 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 93 from Patent WO0222660.
ACCESSION AX405678
VERSION AX405678.1 GI:21438795
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE Tang, Y.T., Liu, C., Zhou, P., Asundi, V., Zhang, J., Zhao, Q.A., Ren, F.,
Xue, A.J., Yang, Y., Wehrman, T. and Drmanac, R.T.
JOURNAL Novel nucleic acids and polypeptides
Patent: WO 0222660-A 93 21-MAR-2002;
```

HYSEQ, INC. (US)
Location/Qualifiers
1. .5173
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
334. .3651
/note="unnamed protein product"
/codon_start=1
/protein_id="CAD34785.1"
/db_xref="gi:21438796"
/translation="MAMAPALTDAAEAHIRFLKAPPSTLSPGSAENNGNANILI
AANTKKRAIAEDPSIDRNNTKEDLQKLOPLVASVLCSDVTSVPSKSLQGVF
SKQVLSHPILSOSYELRAELLGQPVLESLNLTMTNTSGOTALPOAPVGLAKK
LTKSTSHDNLSLNGGKRALTSALHGGEMGSGDLKGKWTNCTLPVRLDVE
HTTLYSNNSTANKSVNSMEQPALQGSRTDSSNIGVGLGKSKPLSLILFS
ALDSRTITALLRRQADIESRRLQKRLQVQAKVERHIOHGLGFLKTLTKLPN
LESIRPSQLMTKAEALRAKASETTSEGLNFKNSISEELRFTASGANLR
CSEQAFDSVDDSSGSDTEEBELTRADPEQRHVPPLRRSEKWKAAADAAIYRW
WLOAHVSDLEYIRIQOTDIYKOIRANKGLIVLGEVPPPEHTDLFLPLSSVKVDHGT
DKLFSYQPLENHGAPLIIHLSLSPKSCGALRPVNGVINTLQPLADHVPKGDSSD
ABEQLHKQRLNLVSSSDGRCVARTPVLSCCKRLVSPNSIVPLSKVYRNSTIR
PGCDVNPSCALGSGSINTMPEIHYEAPLRLSLQDSCVHPVLAFPDDVPTSLHQ
SMLKSQWQNFDFIKPKKLSLKHRAKMPGLSPDSARKRHKLVSSPLTAKLUSHHQ
TRPDTRHQHLLDDVAGVPMVERVTAPKAERLLNPPVPHDPNHSKMLRDRHSSEV
LKHTDMSYSLAATHPPHPSPLVRLQSLTSDSPAPASSQVTSASTSQQPVRRRG
ESSFDINIVIPMSVAATRYEKLYKEILTPSMREVDLQSLGSPDENEEIEDLSD
AFAALHAKCEMERAPKLTVTSPORGRSRSYSSDGRTPOLGSAKPSTPOPASP
DYSSHLSLSESHGQSPSPISPLHSAPIVARDTLRHLSAEDTRCSTPELGLDEQ
SVQPERFTPLASPOAECEDQLDAQRAARCTRTSGSKTGTRETEAAPTSPPLVPL
KSHLVAAATAQRTPH"
BASE COUNT 1276 a 1368 c 1204 g 1325 t
ORIGIN

Query Match 1.7%; Score 37; DB 6; Length 5173;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGGG 37
|||||
DB 61 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGGG 97
|||||

RESULT 45
BC024393/c
LOCUS 350 bp mRNA linear ROD 31-JAN-2003
DEFINITION Mus musculus, ribosomal protein S29, clone IMAGE:4986748, mRNA.
ACCESSION BC024393
VERSION BC024393.1 GI:19353447
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 350)
Strausberg, R.
Direct Submission
TITLE Submitted (01-MAR-2002) National Institutes of Health, Mammalian
JOURNAL Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgabbs-remail.nih.gov
Tissue procurement: Jeffrey E. Green, M.D.
cdNA Library Preparation: Life Technologies, Inc.
cdNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcdpaxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

HYSEQ, INC. (US)
Location/Qualifiers
1. .5173
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
334. .3651
/note="unnamed protein product"
/codon_start=1
/protein_id="CAD34785.1"
/db_xref="gi:21438796"
/translation="MAMAPALTDAAEAHIRFLKAPPSTLSPGSAENNGNANILI
AANTKKRAIAEDPSIDRNNTKEDLQKLOPLVASVLCSDVTSVPSKSLQGVF
SKQVLSHPILSOSYELRAELLGQPVLESLNLTMTNTSGOTALPOAPVGLAKK
LTKSTSHDNLSLNGGKRALTSALHGGEMGSGDLKGKWTNCTLPVRLDVE
HTTLYSNNSTANKSVNSMEQPALQGSRTDSSNIGVGLGKSKPLSLILFS
ALDSRTITALLRRQADIESRRLQKRLQVQAKVERHIOHGLGFLKTLTKLPN
LESIRPSQLMTKAEALRAKASETTSEGLNFKNSISEELRFTASGANLR
CSEQAFDSVDDSSGSDTEEBELTRADPEQRHVPPLRRSEKWKAAADAAIYRW
WLOAHVSDLEYIRIQOTDIYKOIRANKGLIVLGEVPPPEHTDLFLPLSSVKVDHGT
DKLFSYQPLENHGAPLIIHLSLSPKSCGALRPVNGVINTLQPLADHVPKGDSSD
ABEQLHKQRLNLVSSSDGRCVARTPVLSCCKRLVSPNSIVPLSKVYRNSTIR
PGCDVNPSCALGSGSINTMPEIHYEAPLRLSLQDSCVHPVLAFPDDVPTSLHQ
SMLKSQWQNFDFIKPKKLSLKHRAKMPGLSPDSARKRHKLVSSPLTAKLUSHHQ
TRPDTRHQHLLDDVAGVPMVERVTAPKAERLLNPPVPHDPNHSKMLRDRHSSEV
LKHTDMSYSLAATHPPHPSPLVRLQSLTSDSPAPASSQVTSASTSQQPVRRRG
ESSFDINIVIPMSVAATRYEKLYKEILTPSMREVDLQSLGSPDENEEIEDLSD
AFAALHAKCEMERAPKLTVTSPORGRSRSYSSDGRTPOLGSAKPSTPOPASP
DYSSHLSLSESHGQSPSPISPLHSAPIVARDTLRHLSAEDTRCSTPELGLDEQ
SVQPERFTPLASPOAECEDQLDAQRAARCTRTSGSKTGTRETEAAPTSPPLVPL
KSHLVAAATAQRTPH"
BASE COUNT 1276 a 1368 c 1204 g 1325 t
ORIGIN

Query Match 1.7%; Score 37; DB 6; Length 5173;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGGG 37
|||||
DB 61 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGGG 97
|||||

RESULT 45
BC024393/c
LOCUS 350 bp mRNA linear ROD 31-JAN-2003
DEFINITION Mus musculus, ribosomal protein S29, clone IMAGE:4986748, mRNA.
ACCESSION BC024393
VERSION BC024393.1 GI:19353447
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 350)
Strausberg, R.
Direct Submission
TITLE Submitted (01-MAR-2002) National Institutes of Health, Mammalian
JOURNAL Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgabbs-remail.nih.gov
Tissue procurement: Jeffrey E. Green, M.D.
cdNA Library Preparation: Life Technologies, Inc.
cdNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcdpaxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: <http://image.llnl.gov>
Series: IRAK Plate: 58 Row: c Column: 10
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 6677802.

FEATURES
Location/Qualifiers
1. .350
source
/organism="Mus musculus"
/mol_type="mRNA"
/strain="FVB/N"
/db_xref="taxon:10090"
/clones="IMAGE:4986748"
/tissue_type="Colon, normal. 5 month old male mouse."
/clone_lib="NCI_CGAP_Co24"
/lab_host="DH10B"
/note="vector: pCMV-SPORT6"
BASE COUNT 116 a 93 c 78 g 63 t
ORIGIN

Query Match 1.7%; Score 36; DB 10; Length 350;
Best Local Similarity 100.0%; Pred. No. 4.6e-09;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGG 36
|||||
DB 36 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGG 1
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RESULT 46
AY054295
LOCUS 356 bp mRNA linear INV 01-SEP-2002
DEFINITION Buthus martensii venom peptide 2 precursor, mRNA, partial cds.
ACCESSION AY054295
VERSION AY054295.1 GI:22651447
KEYWORDS
SOURCE Mesobuthus martensii (Buthus martensii)
ORGANISM
Eukaryota; Metazoa; Arthropoda; Chelicerata; Arachnida; Scorpiones;
Buthoidea; Buthidae; Mesobuthus.
1 (bases 1 to 356)
Shunyi, Z. and Wenxin, L.
A cDNA encoding a scorpion venom peptide
TITLE Unpublished
JOURNAL
AUTHORS Shunyi, Z. and Wenxin, L.
REFERENCE 2 (bases 1 to 356)
AUTHORS Shunyi, Z. and Wenxin, L.
TITLE Direct Submission
JOURNAL Submitted (30-AUG-2001) Department of Biotechnology, Wuhan University, Luojia Mountain, Wuhan City, Hubei Province 430072, China
Location/Qualifiers
1. .356
source
/organism="Mesobuthus martensii"
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/db_xref="taxon:34649"
/tissue_type="venom gland"
/note="Authority: Buthus martensii Karsch"
<1. .221
/note="BmKVP2"
/codon_start=3
/product="venom peptide 2 precursor"
/protein_id="AAL15172.1"
/db_xref="GI:22651448"
/translation="DAWADADAWKDEEERFFNFIFSAEGRKILQCLATFGFS
YSLTDMAAKLTAQKLCNCFANAIKST"
BASE COUNT 129 a 58 c 67 g 102 t
ORIGIN

Query Match 1.7%; Score 36; DB 3; Length 356;
Best Local Similarity 100.0%; Pred. No. 4.7e-09;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGTGGG 36

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|||||
1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36

RESULT 47
BC046202/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 405)
Strausberg, R.
Direct Submission
Submitted (31-JAN-2003) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgabbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 107 Row: m Column: 7.
Location/Qualifiers
1. .405
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6154581"
/tissue_type="Eye, retinoblastoma"
/clone_lib="NIH_MGC_67"
/lab_host="DH10B"
/notes="Vector: pCMV-SPORT6"

BASE COUNT
119 a 110 c 96 g 80 t

Query Match
Best Local Similarity 100.0%; Score 36; DB 9; Length 405;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
36 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 1

RESULT 48
BC015527
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 458)
Strausberg, R.
Direct Submission
Submitted (31-JAN-2003) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgabbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 107 Row: m Column: 7.
Location/Qualifiers
1. .405
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6154581"
/tissue_type="Eye, retinoblastoma"
/clone_lib="NIH_MGC_67"
/lab_host="DH10B"
/notes="Vector: pCMV-SPORT6"

BASE COUNT
119 a 110 c 96 g 80 t

Query Match
Best Local Similarity 100.0%; Score 36; DB 9; Length 405;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
36 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 1

RESULT 49
BC003832/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 499)
Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,
Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 22 Row: f Column: 6
This clone was selected for full length sequencing because it
passed the following selection criteria: matched mRNA gi: 4757803.
Location/Qualifiers
1. .458
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="LocusID:475"
/clone="MGC:9436 IMAGE:3902586"
/tissue_type="Pancreas, epithelioid carcinoma"
/clone_lib="NIH_MGC_70"
/lab_host="DH10B"
/notes="Vector: pCMV-SPORT6"
53. .259
/codon_start=1
/product="ATX1 (antioxidant protein 1, yeast) homolog 1"
/protein_id="AAH15527.1"
/db_xref="GI:15930190"
/translation="MPKHESVDMTGGCAEYRSVLNKLGGVKYDIDLPNKKVCIES"
EHSMDTLATFLTKTKTGVSTYLGE"

BASE COUNT
108 a 119 c 132 g 99 t

Query Match
Best Local Similarity 100.0%; Score 36; DB 9; Length 458;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36
|||||
1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 36

RESULT 49
BC003832/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 499)
Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,
Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,

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Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Moore,T., Max,S.I., Wang,J., Hsieh,F., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smalls,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
22388257
12477932
2 (bases 1 to 499)
Strausberg,R.
Direct Submission
Submitted (28-FEB-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: Lothar Hennighausen Ph.D., Robin Humphreys
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 8 Row: e Column: 3
This clone was selected for full length sequencing because it passed the following selection criteria: Genomescan gene prediction, similarity but not identity to protein.
Location/Qualifiers
1. .499
/organism="Mus musculus"
/mol_type="mRNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="MGC:6250 IMAGE:3490662"
/tissue_type="Mammary tumor. WAP-TGF alpha model. 7 months old, gross tissue."
/clone_lib="NCI CGAP Mam5"
/lab_host="DH10B"
/note="Vector: pCMV-SPORT6"
1. .499
/gene="Sl00a6"
/db_xref="LocusID:20200"
/db_xref="MGI:1339467"
121. .390
/codon_start=1
/product="Sl00a6 protein"
/protein_id="AAH03832.1"
/db_xref="GI:13325100"
/db_xref="LocusID:20200"
/translation="MACPLDQAIGLIVAFHFKYSGKDGKHTLSKELIKELIKELTI
GSKLQDAETARLMDLDLRKNDQEVNFQYVAFGLALIIYNEALK"
121 a 130 c 138 g 110 t
BASE COUNT
ORIGIN
Query Match 1.7%; Score 36; DB 10; Length 499;
Best Local Similarity 100.0%; Pred. NO. 4.8e-09;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGGGGACGCGTGGCGGCGGACGCGTGGG 36
|||||
Db 48 CGGACGCGTGGGGGACGCGTGGCGGCGGACGCGTGGG 13
RESULT 50
BC002044/c
LOCUS
DEFINITION
Mus musculus ribosomal protein S17, mRNA (cdna clone MGC:6030 IMAGE:3484265), complete cds.
BC002044
BC002044.1 GI:12805170
MGC.
KEYWORDS
Mus musculus (house mouse)
ORGANISM
Mus musculus
REFERENCE
1 (bases 1 to 529)
Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Schetz,T.E., Brownstein,M.J., Usdin,T.B., Loquellano,N.A., Peters,G.J., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Moore,T., Max,S.I., Wang,J., Hsieh,F., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smalls,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
22388257
12477932
2 (bases 1 to 529)
Strausberg,R.
Direct Submission
Submitted (31-JAN-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: Lothar Hennighausen Ph.D., Robin Humphreys
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 7 Row: c Column: 3
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 6677800.
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FEATURES
source


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BASE COUNT 149 a 148 c 133 g 99 t
ORIGIN
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Best Local Similarity 100.0%; Pred. No. 4.8e-09;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 60 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 25
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Search completed: September 24, 2003, 18:22:33
Job time : 7912 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 15:23:27 ; Search time 591 Seconds
(without alignments)
9783.750 Million cell updates/sec

Title: US-09-991-150-19

Perfect score: 2142

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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2552756 seqs, 1349719017 residues

Word size : 10

Total number of hits satisfying chosen parameters: 1698610

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	2142	100.0	2142	21	Membrane-bound pro
3	2142	100.0	2142	22	Human PRO341 (UNQ3
4	2142	100.0	2142	25	Novel human secret
5	2142	100.0	2142	25	Human secreted/tr
6	2142	100.0	2142	25	Novel human secret
7	2142	100.0	2142	25	Human secreted/tr
8	2142	100.0	2142	25	Human PRO polynucl

9	2142	100.0	2142	25	ABX79304	Human secreted/tr
10	2142	100.0	2142	25	ABX63943	CDNA encoding huma
11	2142	100.0	2142	25	ABX16907	Human PRO polynucl
12	1861	86.9	2166	24	ABL90743	Human polynucleoti
13	1827	85.3	2122	22	AAK94529	Human full-length
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15	1772	82.7	2160	24	ABS57588	Human PP9177 CDNA
16	1772	82.7	2160	24	ABS57589	Human PP9177 CDNA
17	1669	77.9	1993	22	AAH15850	Human CDNA sequenc
18	1517	70.8	2150	22	AAH33221	Human secreted pro
19	1358	63.4	1588	19	AAV43614	Human secreted pro
20	580	27.1	865	22	AAK93381	Human CDNA clone r
21	571	26.7	571	21	AAZ64948	Membrane-bound pro
22	571	26.7	571	22	AAK44094	Human EST DN12920
23	571	26.7	571	25	ABX80121	Novel human secret
24	571	26.7	571	25	ABX80625	Human secreted/tr
25	571	26.7	571	25	ABX81008	Novel human secret
26	571	26.7	571	25	ABX90098	Human secreted/tr
27	571	26.7	571	25	ABX77709	Human PRO polynucl
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29	571	26.7	571	25	ABX63944	Human PRO CDNA clo
30	571	26.7	571	25	ABX16908	Human PRO polynucl
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32	544	25.4	780	22	AAK92231	Human CDNA 5'-end
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36	219	10.2	786	22	AAH05059	Human CDNA clone (
37	219	10.2	786	22	AAH15691	Human CDNA sequenc
38	60	3.7	601	22	AAK92982	Human CDNA 3'-end
39	79	3.7	154	16	AAAT21468	Human gene signatu
40	51	2.4	51	22	AAI78786	Human silent SNP c
41	38	1.8	702	24	ABX73881	Human CDNA encodin
42	38	1.8	1003	22	AAH23806	Human transferase
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45	37	1.7	2410	24	ABO54475	Human ovarian anti
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47	37	1.7	2782	25	ACA03705	CDNA encoding huma
48	37	1.7	2782	25	ACA04126	Human CDNA encodin
49	37	1.7	2782	25	ABX89243	DNA encoding novel
50	37	1.7	5173	24	ABN59682	Novel human coding
51	36	1.7	53	25	ABX11718	PCR primer Antitry
52	36	1.7	60	25	ABX53178	Bovine EST associa
53	36	1.7	97	22	AAH36499	Human colon cancer
54	36	1.7	116	25	ABZ52995	Aspergillus oryzae
55	36	1.7	131	22	AAH33326	Human colon cancer
56	36	1.7	173	21	AAK78430	Human cancer assoc
57	36	1.7	190	22	AAK55286	Human immune/haema
58	36	1.7	207	22	AAK57053	Human immune/haema
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75	36	1.7	324	25	ABZ55336	Aspergillus oryzae
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77	36	1.7	344	22	AAK55283	Human immune/haema
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Homo sapiens.

WO200053755-A2.

14-SEP-2000.

06-JAN-2000; 2000WO-US00376.

08-MAR-1999; 99WO-US05028.

02-JUN-1999; 99WO-US12252.

23-JUN-1999; 99US-0141037.

07-JUL-1999; 99US-0143048.

26-JUL-1999; 99US-0145698.

30-NOV-1999; 99WO-US28313.

20-DEC-1999; 99WO-US30911.

05-JAN-2000; 2000WO-US00219.

(GETH) GENENTECH INC.

Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hillan KJ, Roy MA; Watanabe CK, Wood WI;

WPI; 2000-572270/53.

P-PSDB; AAB24059.

Thirty PRO polynucleotides encoding PRO polypeptides, useful in the treatment, diagnosis and prevention of cancer -

Claim 50; Fig 5; 286pp; English.

The present invention describes an isolated antibody that binds to one of the human PRO proteins designated PRO212, PRO290, PRO341, PRO535, PRO619, PRO717, PRO809, PRO830, PRO848, PRO943, PRO1005, PRO1009, PRO1025, PRO1030, PRO1097, PRO1153, PRO1184, PRO1281, PRO1283, PRO339, PRO834, PRO1317, PRO1710, PRO2094, PRO2145 OR PRO2198. PRO antagonists can be used to inhibit tumour cell growth. The PRO polypeptides and nucleotides are useful in the treatment, diagnosis and prevention of cancer. The antibodies and other anti-tumour compounds may be used to treat various conditions, including those characterised by overexpression and/or activation of the amplified PRO genes. Exemplary conditions or disorders to be treated with such antibodies and other compounds include benign or malignant tumours (e.g., renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulva, thyroid, hepatic, carcinomas, sarcomas, glioblastomas, and various head and neck tumours), leukaemias and lymphoid malignancies, other disorders such as neuronal, glial, astrocytoma, hypothalamic and other glandular, macrophagal, epithelial, stromal and blastocoele disorders, and inflammatory, angiogenic and immunologic disorders. AAC58242 to AAC58366 represent PCR primers and hybridisation probes used in the isolation of the human PRO sequences. AAC58367 to AAC58396 and AAB24057 to AAB24089 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention.

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Query Match 100.0%; Score 2142; DB 21; Length 2142;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 CCGTGGCTAAGGCTGCTACGAAGCGAGCTTGGAGGAGCAGCGGCTGGCGGCGAGGGA 120

QY 121 GCATCCCTCTACAGGTCCCAAGCGCGGTGGCGGCGGTCTATGCCCAAGGAGAGGC 180

Db 121 GCATCCCTCTACAGGTCCCAAGCGCGGTGGCGGCGGTCTATGCCCAAGGAGAGGC 180

QY 181 GCGAGAGCGGTCCCGCGGCGGTGTACCCACAGCATCTCTCAAGCACTGAACGC 240

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RESULT 2

AAZ64947

ID AAZ64947 standard; cDNA; 2142 BP.

XX

AC AAZ64947;

XX

DT 05-APR-2000 (first entry)

XX

DE Membrane-bound protein PRO341 encoding cDNA.

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XX	OS	Homo sapiens.
XX	PN	WO9963088-A2.
XX	PD	09-DEC-1999.
XX	PF	02-JUN-1999; 99WO-US12252.
XX	PR	02-JUN-1998; 98US-0087607.
PR	02-JUN-1998; 98US-0087609.	
PR	02-JUN-1998; 98US-0087759.	
PR	03-JUN-1998; 98US-0087827.	
PR	04-JUN-1998; 98US-0088021.	
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PR	04-JUN-1998; 98US-0088028.	
PR	04-JUN-1998; 98US-0088029.	
PR	04-JUN-1998; 98US-0088030.	
PR	04-JUN-1998; 98US-0088033.	
PR	04-JUN-1998; 98US-0088326.	
PR	05-JUN-1998; 98US-0088157.	
PR	05-JUN-1998; 98US-0088202.	
PR	05-JUN-1998; 98US-0088212.	
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PR	09-JUN-1998; 98US-0088655.	
PR	10-JUN-1998; 98US-0088722.	
PR	10-JUN-1998; 98US-0088730.	
PR	10-JUN-1998; 98US-0088734.	
PR	10-JUN-1998; 98US-0088738.	
PR	10-JUN-1998; 98US-0088740.	
PR	10-JUN-1998; 98US-0088741.	
PR	10-JUN-1998; 98US-0088742.	
PR	10-JUN-1998; 98US-0088810.	
PR	10-JUN-1998; 98US-0088811.	
PR	10-JUN-1998; 98US-0088824.	
PR	10-JUN-1998; 98US-0088825.	
PR	11-JUN-1998; 98US-0088826.	
PR	11-JUN-1998; 98US-0088858.	
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PR	12-JUN-1998; 98US-0089090.	
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PR	16-JUN-1998; 98US-0089440.	
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PR	16-JUN-1998; 98US-0089514.	
PR	17-JUN-1998; 98US-0089532.	
PR	17-JUN-1998; 98US-0089538.	
PR	17-JUN-1998; 98US-0089598.	
PR	17-JUN-1998; 98US-0089599.	
PR	17-JUN-1998; 98US-0089600.	
PR	17-JUN-1998; 98US-0089653.	
PR	18-JUN-1998; 98US-0089801.	
PR	18-JUN-1998; 98US-0089907.	
PR	18-JUN-1998; 98US-0089908.	
PR	19-JUN-1998; 98US-0089948.	
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PR	22-JUN-1998; 98US-0090252.	
PR	22-JUN-1998; 98US-0090254.	
PR	23-JUN-1998; 98US-0090349.	
PR	23-JUN-1998; 98US-0090355.	
PR	24-JUN-1998; 98US-0090429.	
PR	24-JUN-1998; 98US-0090431.	
PR	24-JUN-1998; 98US-0090435.	
PR	24-JUN-1998; 98US-0090444.	
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PR	24-JUN-1998; 98US-0090461.	
PR	24-JUN-1998; 98US-0090472.	

PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 24-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090676.
PR 25-JUN-1998; 98US-0090678.
PR 25-JUN-1998; 98US-0090688.
PR 25-JUN-1998; 98US-0090690.
PR 25-JUN-1998; 98US-0090691.
PR 25-JUN-1998; 98US-0090694.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090696.
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PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 02-JUL-1998; 98US-0091544.
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PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091626.
PR 02-JUL-1998; 98US-0091628.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 02-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0091982.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0092472.
PR 20-JUL-1998; 98US-0093339.
PR 30-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
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PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
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PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 18-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
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PR 20-AUG-1998; 98US-0097218.
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PR 26-AUG-1998; 98US-0097951.
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PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097971.
PR 26-AUG-1998; 98US-0097974.
PR 26-AUG-1998; 98US-0097978.
PR 26-AUG-1998; 98US-0097979.
PR 26-AUG-1998; 98US-0097986.
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PR 31-AUG-1998; 98US-0098525.

PR 16-SEP-1998; 98US-0100634.
PR 12-JAN-1999; 99US-0115565.
PA (GETH) GENENTECH INC.
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX WPI; 2000-072883/06.
DR P-PSDB; AAY66635.
XX Membrane-bound proteins and related nucleotide sequences -
XX Claim 2; Fig 11; 822pp; English.
PS The invention provides membrane-bound PRO polypeptides and
XX polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences
CC will also be useful for the preparation of PRO polypeptides, especially
CC by recombinant techniques.
XX
SQ Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;
Query Match 100.0%; Score 2142; DB 21; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGTGGCTAGCGCGGCGG 60
DB 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGTGGCTAGCGCGGCGG 60
QY 61 CGGTGGCTAAGGCTGTACGAGCGGCTGGGAGGAGCAGCGGCTCGGGGCGCAGGA 120
DB 61 CGGTGGCTAAGGCTGTACGAGCGGCTGGGAGGAGCAGCGGCTCGGGGCGCAGGA 120
QY 121 GCATCCCGTCTACAGGTCCCAAGCGCGTGGCGGCGGCTATGCCAAAGGAGGAGGC 180
DB 121 GCATCCCGTCTACAGGTCCCAAGCGCGTGGCGGCGGCTATGCCAAAGGAGGAGGC 180
QY 181 GCGGAGAGCGGCTCCCGGCGGCGGCTACCCAGCAGCATCTCCAAAGCACTGAACGC 240
DB 181 GCGGAGAGCGGCTCCCGGCGGCGGCTACCCAGCAGCATCTCCAAAGCACTGAACGC 240
QY 241 CCGGCGCCAGGTGAAGAAAGCAACCGAAAGAAAGCAACAGTTGCTGTTTCACACAAG 300
DB 241 CCGGCGCCAGGTGAAGAAAGCAACCGAAAGAAAGCAACAGTTGCTGTTTCACACAAG 300
QY 301 CTTTGTCTATGCACTTGGGGAGCCCTTACAGGTGACGGGCTGTGCGCTGGGTTCCTTC 360
DB 301 CTTTGTCTATGCACTTGGGGAGCCCTTACAGGTGACGGGCTGTGCGCTGGGTTCCTTC 360
QY 361 CTTTCAGATCTACCTATTGGATGGCTCAGGTGGGCGGCTTCTCTGCCTCCATCATCCTG 420
DB 361 CTTTCAGATCTACCTATTGGATGGCTCAGGTGGGCGGCTTCTCTGCCTCCATCATCCTG 420
QY 421 TTTGTGGCGGCGGCTGGGATGCCATCAGAGCCCGCTGGTGGGCGCTCTGCATCAGCAAA 480
DB 421 TTTGTGGCGGCGGCTGGGATGCCATCAGAGCCCGCTGGTGGGCGCTCTGCATCAGCAAA 480
QY 481 TCCCCCTGGACCTGCGCTGGGTTCGCTTATGCCCTGGATCATCTTCTCCAGCCCGCTGGCC 540
DB 481 TCCCCCTGGACCTGCGCTGGGTTCGCTTATGCCCTGGATCATCTTCTCCAGCCCGCTGGCC 540
QY 541 GTCAATTGCGCTACTTCTCTCATCTCTGGTTCGTCGCCCGGCTTCCACACGCGGCGCATATGG 600

Db 541 GTCAATGCTACTTCTCTCATCTGGTTCTGTCGCGACTTCCACACAGCGCCAGACCTATTGG 600
QY 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGGTCAAGTGTTCATGTTCCCTACTCG 660
Db 601 TACCTGCTTTTCTATTGCTCTTTGAACAATGGTCAAGTGTTCATGTTCCCTACTCG 660
QY 661 GCTCTACCATGTTTCATCAGCAACGAGCAGACGACTGAGCGGATGTTGCCACGGCTATCG 720
Db 661 GCTCTACCATGTTTCATCAGCAACGAGCAGACGACTGAGCGGATGTTGCCACGGCTATCG 720
QY 721 GATGACTGTGAAGTGTGGCCACAGTCTGGGCACGCGCATCCAGGACAAATCGTGG 780
Db 721 GATGACTGTGAAGTGTGGGCACAGTCTGGGCACGCGCATCCAGGACAAATCGTGG 780
QY 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC 840
Db 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC 840
QY 841 CAACCATACATGGCCACTTTCACACAGGAAACGCAAGGATACCTGCTGGCAGC 900
Db 841 CAACCATACATGGCCACTTTCACACAGGAAACGCAAGGATACCTGCTGGCAGC 900
QY 901 GGGGTCAATGCTGTATCTATATAATCTGTGCTCATCTGATCCTGCGGCGTGGGA 960
Db 901 GGGGTCAATGCTGTATCTATATAATCTGTGCTCATCTGATCCTGCGGCGTGGGA 960
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Db 961 GCAGAGAAACCCATATGAAGCCAGCAGTCTGAGCCAAATCGCTTCCGGGGCTACG 1020
QY 1021 GCTGGTCATGACCCAGCCCATACATCAAACTTATTACTGGCTTCTTCACTCCTT 1080
Db 1021 GCTGGTCATGACCCAGCCCATACATCAAACTTATTACTGGCTTCTTCACTCCTT 1080
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Db 1081 GCGTTTCAATGCTGTGGAGGGAATTTGCTGTGTTTGGACCTACACCTTGGGCTCCG 1140
QY 1141 CAATGAATTCAGAACTTACTCTCGGCCATCATGCTCGGCCACTTTAACCATTCCCAT 1200
Db 1141 CAATGAATTCAGAACTTACTCTCGGCCATCATGCTCGGCCACTTTAACCATTCCCAT 1200
QY 1201 CTGCAGTGGTCTTGACCCGGTTTGCAAGAAGACAGCTGTATATGTTGGATCTCATC 1260
Db 1201 CTGCAGTGGTCTTGACCCGGTTTGCAAGAAGACAGCTGTATATGTTGGATCTCATC 1260
QY 1261 AGCAGTGCATTTCTCATCTTGTGGCCCTCATGGAGTAACCTCATCATATACATATGC 1320
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Db 1321 GGTAGCTGTGGCAGCTGGCATCATGTGGCAGCTGGCTTCTTACTACCCCTGGTCCATGCT 1380
QY 1381 GCCTGATGTCATTCAGCAGCTTCCATCTCAAGCAGCCCATCTCCATGGAACCGACCCAT 1440
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QY 1441 CTTCTTCTCCTTCTATGCTCTTTCACCAAGTTTGGCTCTGGAGTGTACCTGGCATTTTC 1500
Db 1441 CTTCTTCTCCTTCTATGCTCTTTCACCAAGTTTGGCTCTGGAGTGTACCTGGCATTTTC 1500
QY 1501 TACCTTCAGTCTGACTTTGAGGGTACCAGACCCGTGGCTGTCTGCGAGCGCGGAACGTGT 1560
Db 1501 TACCTTCAGTCTGACTTTGAGGGTACCAGACCCGTGGCTGTCTGCGAGCGCGGAACGTGT 1560
QY 1561 CAAGTTTACACTGAACATGCTCTGACCATGGCTCCCATAGTCTTCATCTGCTGGGCT 1620
Db 1561 CAAGTTTACACTGAACATGCTCTGACCATGGCTCCCATAGTCTTCATCTGCTGGGCT 1620
QY 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCGAGAAATAGAAAGGCCCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCGAGAAATAGAAAGGCCCT 1680

Db 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCGAGAAATAGAAAGGCCCT 1680
QY 1681 GCAGGCACTGAGGACGAGGCGCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCACTGAGGACGAGGCGCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
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Db 1741 GGCTAGCATCTCTTAGGGCCCGCCACGTTGCCGGAAGCCACATGTCAGAAAGGCCACAGAA 1800
QY 1801 GGGATCAGGACCTGTCTGCGGCTTGTGAGCAGCTGACCTGCAGTGTAGGAGGGA 1860
Db 1801 GGGATCAGGACCTGTCTGCGGCTTGTGAGCAGCTGACCTGCAGTGTAGGAGGGA 1860
QY 1861 CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGTGCTCAGCTGGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGTGCTCAGCTGGGGCGGCTGCTC 1920
QY 1921 TGTGGCTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
QY 1981 AATATGCCAAGGACTGATCGGGCTTAGCCGGAACACTAATGTAGAAACCTTTTTTTTAC 2040
Db 1981 AATATGCCAAGGACTGATCGGGCTTAGCCGGAACACTAATGTAGAAACCTTTTTTTTAC 2040
QY 2041 AGAGCCTAATTAATAACTTAATGACTGTGTATACATAGCAATGTGTATATATGCT 2100
Db 2041 AGAGCCTAATTAATAACTTAATGACTGTGTATACATAGCAATGTGTATATATGCT 2100
QY 2101 GTGAGCTAATTAATGTTTATTAATTTTCATATAAAGCTGGAAGC 2142
Db 2101 GTGAGCTAATTAATGTTTATTAATTTTCATATAAAGCTGGAAGC 2142
RESULT 3
AAF44093
ID AAF44093 standard; cDNA; 2142 BP.
XX AAF44093;
XX 02-APR-2001 (first entry)
XX Human PRO341 (UNQ300) nucleotide sequence SEQ ID NO:19.
XX Human; secreted and transmembrane protein; PRO; cytostatic;
KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay; ss.
XX Homo sapiens.
XX WO200073454-A1.
XX 07-DEC-2000.
XX 30-MAR-2000; 2000WO-US08439.
XX 02-JUN-1999; 99WO-US12252.
PR 23-JUN-1999; 99US-0141037.
PR 07-JUL-1999; 99US-0143048.
PR 20-JUL-1999; 99US-0144758.
PR 26-JUL-1999; 99US-0145698.
PR 28-JUL-1999; 99US-0146222.
PR 17-AUG-1999; 99US-0149396.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 08-OCT-1999; 99US-0158663.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.

PR 11-FEB-2000; 2000WO-US03565.
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PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 02-MAR-2000; 2000WO-US05841.
PR 13-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gierlitsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Kijavani IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI: 2001-032160/04.
DR P-PSDB; AAB65158.
XX
XX PRO polynucleotides used to produce polypeptides used to target
PT bioactive molecules such as toxins, radiolabels or antibodies, to
PT specific cells, to cause targeted cell death -
XX
XX Claim 2; Fig 11; 935pp; English.
XX
XX The present invention describes human secreted and transmembrane PRO
CC proteins. The PRO proteins have cytosolic activity. The PRO proteins
CC can be used for targeted delivery of bioactive molecules, such as
CC toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide
CC sequences, and their fragments, can be used as hybridisation probes, in
CC chromosomal and gene mapping, and in the generation of anti-sense RNA
CC and DNA. They may also be used to produce transgenic animals which are
CC used to develop and screen therapeutically useful reagents. The PRO
CC nucleotide and protein sequence can be used for tissue typing and in
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.
CC AAF44270 to AAF44470 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAF44087 to AAF44269 and
CC AAB65154 to AAB65300 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.
XX
XX Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;
SQ

Query Match 100.0%; Score 2142; DB 22; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCGTGGCTAGCGCGGCGG 60
DB 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCGTGGCTAGCGCGGCGG 60
QY 61 CCCTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGGCGCTCGGGGCGAGGA 120
DB 61 CCCTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGGCGCTCGGGGCGAGGA 120
QY 121 GCATCCGCTACAGGTCACAGCGGCGTGGCGGCGGCGGCTATGGCCAAAGGAGAGGC 180
DB 121 GCATCCGCTACAGGTCACAGGTCACAGCGGCGTGGCGGCGGCTATGGCCAAAGGAGAGGC 180
QY 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCAGCAGCATCTCCAAAGCACTGAAGC 240
DB 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCAGCAGCATCTCCAAAGCACTGAAGC 240
QY 241 CCGGCCCAAGTGAAGAAAGCAACGAAAGAAAGAAAGAAAGTGTCTGTGTTCACAAAG 300
DB 241 CCGGCCCAAGTGAAGAAAGCAACGAAAGAAAGAAAGAAAGTGTCTGTGTTCACAAAG 300
QY 301 CTTTGTATGCACTTGGGGAGCCCCCTACAGGTGACGGGCTGTGCCCTGGGTTTCTTC 360
DB 301 CTTTGTATGCACTTGGGGAGCCCCCTACAGGTGACGGGCTGTGCCCTGGGTTTCTTC 360
QY 361 CTTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCTG 420
DB CTTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCTG 420

DB CTTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCTG 420
QY TTTTGTGGCGGACGCTGGGATGCCATCAGACAGCCCTGTGTGGCGCTCTCATCAGCAAA 480
DB TTTTGTGGCGGACGCTGGGATGCCATCAGACAGCCCTGTGTGGCGCTCTCATCAGCAAA 480
QY TCCCCCTGGACCTGCCTGGGTCGCTTATGCCCCGGATCATCTCTCAGCGCCCTGGCC 540
DB GTCATTTGCCCTACT 600
DB GTCATTTGCCCTACT 600
QY TACCTGCTTTTCTATTATTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 660
DB TACCTGCTTTTCTATTATTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 660
QY GCTCTCACCATGTTTCATCAACCGAGCAGCTGAGCGGGATTTCTGCCACCGCCTATGCG 720
DB GCTCTCACCATGTTTCATCAACCGAGCAGCTGAGCGGGATTTCTGCCACCGCCTATGCG 720
QY GATGACTGTGGAAGTGTGGGACAGTGTGGGACGAGTGTGGGACGAGTGTGGGACGAGT 780
DB GATGACTGTGGAAGTGTGGGACAGTGTGGGACGAGTGTGGGACGAGTGTGGGACGAGT 780
QY CCAAGCAGACACGCTTGTTCAGGAGCTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840
DB CCAAGCAGACACGCTTGTTCAGGAGCTTCAATAGCTCTACAGTAGCTTTCACAAAGTGC 840
QY CAACCATATACATATGACACACTTTCACAGGAAAGCAAGGCAATACCTGCTGGGCGC 900
DB CAACCATATACATATGACACACTTTCACAGGAAAGCAAGGCAATACCTGCTGGGCGC 900
QY GGGGGCTATTGCTGTATCTATATATCTGCTGTCTATCTGCTGTCTGCTGTCTGCTGT 960
DB GGGGGCTATTGCTGTATCTATATATCTGCTGTCTATCTGCTGTCTGCTGTCTGCTGT 960
QY GCAGAGAAACCCCTATGAAGCCGAGCAGTGTGAGCCCAATCGCTTCTGCGGGGCGCTAC 1020
DB GCAGAGAAACCCCTATGAAGCCGAGCAGTGTGAGCCCAATCGCTTCTGCGGGGCGCTAC 1020
QY GCTGGTCAAGCAGCGGCGCTATACATCAAACTTTACTTGGCTTCTCTTCTACCTCTCT 1080
DB GCTGGTCAAGCAGCGGCGCTATACATCAAACTTTACTTGGCTTCTCTTCTTCTACCTCT 1080
QY GGTCTTTCATCTGCTGGGAGGAACTTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140
DB GGTCTTTCATCTGCTGGGAGGAACTTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140
QY CAATGAATTCAGAACTTCTCTCTGCGCATCTGCTCTGCGCCACTTTAAACCATTTCCAT 1200
DB CAATGAATTCAGAACTTCTCTCTGCGCATCTGCTCTGCGCCACTTTAAACCATTTCCAT 1200
QY CTGGCAGTGGTCTTCTGACCGGCTTGGCAAGAGACAGCTGTATATGTGGGATCTCATC 1260
DB CTGGCAGTGGTCTTCTGACCGGCTTGGCAAGAGAGACAGCTGTATATGTGGGATCTCATC 1260
QY AGCAGTGGCAATTTCTCATCTTGTGGCCCTCATGGAGAGTAACTCATCATATTACATATGC 1320
DB AGCAGTGGCAATTTCTCATCTTGTGGCCCTCATGGAGAGTAACTCATCATATTACATATGC 1320
QY GGTAGCTGTGGCAGCTGGCATAGTGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT 1380
DB GGTAGCTGTGGCAGCTGGCATAGTGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT 1380
QY GCTGTATGTCATTTGACGACTTCCATCTGAAGAGCGCCCACTTCCATGGAACCGAGCCAT 1440
DB GCTGTATGTCATTTGACGACTTCCATCTGAAGAGCGCCCACTTCCATGGAACCGAGCCAT 1440
QY CTTTCTTCT 1500
DB CTTTCTTCT 1500

PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 12-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 28-AUG-2001; 2001US-0941992.
XX
PA (GETH) GENENTECH INC.

XX
XX

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin LJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX

DR WPI; 2003-247083/24.
DR P-PSDB; ABUS9051.
XX

XX
XX
PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
PT PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments -
XX

XX
XX
XX Claim 2; Fig 11; 648pp; English.

XX
XX
CC The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and
CC are thus useful for treating sports injuries, and arthritis. This
CC sequence represents a novel human PRO protein polynucleotide.
XX
XX

Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;

Query Match	100.0%	Score 2142;	DB 25;	Length 2142;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2142;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY 1	CGGACCGCTGGGCGGACGCGTGGGCGGACGCGTGGGCGGCGGCTGGCTAGCGCGCGCGG 60			
DB				
QY 1	CGGACCGCTGGGCGGACGCGTGGGCGGACGCGTGGGCGGCGGCTGGCTAGCGCGCGCGG 60			
DB				
QY 61	CGGTGGCTAAGGCTGCTACGAAAGCGAGCTTGGGAGGAGCAGCGGCTTGGGGGCGAGAGGA 120			
DB				
QY 61	CGGTGGCTAAGGCTGCTACGAAAGCGAGCTTGGGAGGAGCAGCGGCTTGGGGGCGAGAGGA 120			
DB				
QY 121	GCATCCCGTCTACCAAGCGGCTGCCCGCGGGGTCTATGCCCAAGAGAGAGGC 180			
DB				
QY 121	GCATCCCGTCTACCAAGCGGCTGCCCGCGGGGTCTATGCCCAAGAGAGAGGC 180			
DB				
QY 181	GCCGAGAGCGGCTCCGCGCGGGGCTTACCCACGAGCATCTCCCAAGGACTGAACGC 240			
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QY 181	GCCGAGAGCGGCTCCGCGCGGGGCTTACCCACGAGCATCTCCCAAGGACTGAACGC 240			
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QY 241	CGGGCCAGGTGAAGAAAGAACCGAAAGAAAGAAACACAGTTGCTGTTTGCACAAAG 300			
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QY 241	CGGGCCAGGTGAAGAAAGAACCGAAAGAAAGAAACACAGTTGCTGTTTGCACAAAG 300			
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QY 301	CTTTGCTATGCACTTGGGGAGCCCTTACCAGGTGACGGGTGTGCCCTGGGTTCTTC 360			
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DB				
QY 421	TTTGTGGCGGAGCCTGCGATGCCATCACAGACCCCTTGGTGGGCGCTCTGCATCAGCAAA 480			
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DB				
QY 481	TCGCCCTGACCTGCGCTGGGTGCGCTTATGCCCTGGATCATCTCTCCAGGCCCTGGCC 540			
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DB				
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DB				
QY 601	TACCTGCTTTTCTATTTCCTCTTTGAAACAATGGTCAAGTGTTCATGTTCCCTACTCG 660			
DB				
QY 601	TACCTGCTTTTCTATTTCCTCTTTGAAACAATGGTCAAGTGTTCATGTTCCCTACTCG 660			
DB				
QY 661	GCTCTCACCATGTTTCATCAGCAACCGAGAGCTGAGCGGGATTCGCCACCGCCTATCG 720			
DB				
QY 661	GCTCTCACCATGTTTCATCAGCAACCGAGAGCTGAGCGGGATTCGCCACCGCCTATCG 720			
DB				
QY 721	GATGACTGTGGAAGTGTCTGGGACACTGTCTGGGACGCGGATCCAGGACAAATTCGTGGG 780			
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QY 721	GATGACTGTGGAAGTGTCTGGGACACTGTCTGGGACGCGGATCCAGGACAAATTCGTGGG 780			
DB				
QY 781	CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCCAAAGTGC 840			
DB				
QY 781	CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCCAAAGTGC 840			
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QY 841	CAACCATACATGCGCACCTTTCACAGAGGAAACGCAAGAGGATACCTGCTGGCAGC 900			
DB				
QY 841	CAACCATACATGCGCACCTTTCACAGAGGAAACGCAAGAGGATACCTGCTGGCAGC 900			
DB				
QY 901	GGGGGTCATTGTGTATCTATATAATCTGTGCTGTCTATCTCTGCTGCTGGCGTGGGGA 960			
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QY 1021	GCTGGTGTATGAGCCGCGCCATACATCAAACTTATTACTGGCTTCTCTTACCTCCTT 1080			

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QY 1381 GCCTGATGTCATGACGACTTCCATCTGAAGAGCCGCCACTTCCATGGAACCGAGCCCAT 1440
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QY 1621 GCTGCTCTTCAAAATGTACCCCATGTGAGGAGAGCGGGCGGAGCAATAGAGGCGCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCCATGTGAGGAGAGCGGGCGGAGCAATAGAGGCGCT 1680
QY 1681 GCAGGCACTGAGGAGCGAGGCGGAGGCTGCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCACTGAGGAGCGAGGCGGAGGCTGCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
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Db 1741 GGTAGCATCTCTAGGGCCCGCCACGTTGCCGGAAGCCACCATCGAAGGCCACAGAA 1800
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Db 2101 GTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2142
RESULT 5
ABX80624
ID ABX80624 standard; cDNA; 2142 BP.
XX
AC ABX80624;
XX
DT 22-APR-2003 (first entry)
XX
DE Human secreted/transmembrane protein cDNA, #7.
XX
KW Human; gene; ss; PRO; secreted; transmembrane; pharmaceutical;
KW diagnostic; biosensor; bioreactor; tumour; therapeutic;
KW gene therapy; tumour-associated antigenic target; TAT; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003027162-A1.
XX
PD 06-FEB-2003.
XX
PF 15-NOV-2001; 2001US-0997428.
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PR 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US28634.
PR 20-DEC-1999; 99WO-US30095.
PR 05-JAN-2000; 2000WO-US03911.
PR 06-JAN-2000; 2000WO-US00219.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 02-MAR-2000; 2000WO-US05004.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 12-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.

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RESULT 6

ABX81007

ID ABX81007 standard; DNA; 2142 Bp.

XX ABX81007;

AC ABX81007;

XX 22-APR-2003 (first entry)

XX Novel human secreted or transmembrane protein PRO341 DNA.

XX

XX

KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosum; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis; gene; ds.
OS Homo sapiens.
XX
XX
XX US2003027985-A1.
XX
XX 06-FEB-2003.
XX
XX 14-NOV-2001; 2001US-0990562.
XX
XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00276.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 13-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19892.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 25-FEB-1998; 97US-066770P.
PR 20-MAR-1998; 98US-075945P.
PR 28-MAR-1998; 98US-078910P.
PR 07-MAY-1998; 98US-083322P.
PR 28-MAY-1998; 98US-084600P.
PR 02-JUN-1998; 98US-087106P.
PR 98US-087607P.
PR 02-JUN-1998; 98US-087759P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
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XX AC ABX63943;

XX XX

DT 26-FEB-2003 (first entry)

XX XX

DE cDNA encoding human PRO341 polypeptide.

XX XX

KW Human; PRO polypeptide; secreted protein; transmembrane protein;

KW genetic disorder; antibacterial; immunosuppressive; transgenic;

us-09-991-150-19.olil0.rng

Thu Sep 25 12:20:23 2003

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PI		PI	Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;	
PI		PI	Grimaldi JC, Gurney AL, Kijavlin LJ, Napier MA, Pan J, Paoni NF;	
PI		PI	Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
PI		PI	Zhang Z;	
XX		XX	WPI; 2003-102117/09.	
DR		DR	P-PSDB; ABU13864.	
XX		XX	Novel secreted and transmembrane polypeptide for modulating biological	
PT		PT	activity of cell expressing the polypeptide, identifying agonists or	
PT		PT	antagonists of polypeptide, and as molecular weight markers	
XX		XX	Claim 2; Fig 11; 649pp; English.	
PS		PS	The present invention relates to the isolation of novel human PRO	
XX		XX	polypeptides, and the polynucleotide sequences encoding them. The	
CC		CC	PRO polypeptides are secreted and transmembrane proteins. The PRO	
CC		CC	polypeptides are useful for detecting other PRO polypeptides, for	
CC		CC	linking bioactive molecules to cells expressing PRO polypeptides,	
CC		CC	for modulating biological activities of cells expressing PRO	
CC		CC	polypeptides, and for identifying agonists or antagonists.	
CC		CC	The polynucleotide sequences encoding PRO polypeptides are useful as	
CC		CC	hybridisation probes, in chromosome and gene mapping, in the generation	
CC		CC	of antisense RNA and DNA, in the preparation of PRO polypeptides, for	
CC		CC	generating transgenic animals or knockout animals, to construct	
CC		CC	hybridisation probes for mapping the gene which encodes the PRO	
CC		CC	polypeptide, and for the genetic analysis of individuals with genetic	
CC		CC	disorders, in gene therapy, for chromosome identification, as	
CC		CC	chromosome markers, and for generating probes for PCR, Northern	
CC		CC	analysis, Southern analysis and Western analysis. The present	
CC		CC	sequence encodes a human PRO polypeptide of the invention.	
CC		CC	Note: The sequence data for this patent was obtained in electronic	
CC		CC	format directly from the USPTO web site at	
CC		CC	seqdata.uspto.gov/psipsdIDentry.html.	
XX		XX	Sequence 2142 BP; 438 A; 623 C; 578 G; 503 T; 0 other;	
SQ		SQ	Query Match 100.0%; Score 2142; DB 25; Length 2142;	
			Best Local Similarity 100.0%; Pred. No. 0;	

Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 CGGAGCGGTGGCGGACGCTGGGCGGACGCTGGGCGGCGCTGGCTAGCGCGCGGG 60
Db	1 CGGAGCGGTGGCGGACGCTGGGCGGACGCTGGGCGGCGCTGGCTAGCGCGCGGG 60
QY	61 CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGGCTGGGGGAGAGGA 120
Db	61 CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGAGCAGCGGCTGGGGGAGAGGA 120
QY	121 GCATCCCGTCTACCAAGTCCCAAGCGGCTGGCCCGCGGTCATGGCCAAAGGAGAGGC 180
Db	121 GCATCCCGTCTACCAAGTCCCAAGCGGCTGGCCCGCGGTCATGGCCAAAGGAGAGGC 180
QY	181 GCGGAGCGGCTCCGCGCGGGGCTGCTACCCACAGCATCTCCAAAGCAGCTGAACGC 240
Db	181 GCGGAGCGGCTCCGCGCGGGGCTGCTACCCACAGCATCTCCAAAGCAGCTGAACGC 240
QY	241 CGGCGCCAGGTGAAGAAAGAACCCGAAAGAAAGAACACAGTGTCTGTGTGTCACAAAG 300
Db	241 CGGCGCCAGGTGAAGAAAGAACCCGAAAGAAAGAACACAGTGTCTGTGTGTCACAAAG 300
QY	301 CTTTGTATGCACTTGGAGTGGGAGCCCTTACCAAGTGAAGGCTGTGGCCCTGGGTTTCTTC 360
Db	301 CTTTGTATGCACTTGGGAGGAGCCCTTACCAAGTGAAGGCTGTGGCCCTGGGTTTCTTC 360
QY	361 CTTTCAAGTCACTTATGGATGTGGCTCAGGTGGGCGCTTCTGTGCTCCATCATCTG 420
Db	361 CTTTCAAGTCACTTATGGATGTGGCTCAGGTGGGCGCTTCTGTGCTCCATCATCTG 420
QY	421 TTTTGTGGCGGAGCTGGGATGCCATCACAGACCCCTGGTGGGCGCTTGATCAGCAAA 480
Db	421 TTTTGTGGCGGAGCTGGGATGCCATCACAGACCCCTGGTGGGCGCTTGATCAGCAAA 480
QY	481 TCCCGCTGAGCTGGCTGGGTGGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540
Db	481 TCCCGCTGAGCTGGCTGGGTGGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540
QY	541 GTCATTTGCTACTTCTCATCTGCTGCTGGCGGCTTCCACAGCGCAGACCTATTGG 600
Db	541 GTCATTTGCTACTTCTCATCTGCTGCTGGCGGCTTCCACAGCGCAGACCTATTGG 600
QY	601 TACCTGCTTTTCTATTGGCTCTTTGAAACAATGGTCACTGTTTCCATGTTCCCTACTCG 660
Db	601 TACCTGCTTTTCTATTGGCTCTTTGAAACAATGGTCACTGTTTCCATGTTCCCTACTCG 660
QY	661 GCTCTCACCATTGTCATCAGCAACCGAGCAGCTGAGCGGATCTGCCACGCGCTATCG 720
Db	661 GCTCTCACCATTGTCATCAGCAACCGAGCAGCTGAGCGGATCTGCCACGCGCTATCG 720
QY	721 GATGACTGTGGAAGTGTGGGCACAGTGTGGGACGCGCATCCAGGACAAATCGTGGG 780
Db	721 GATGACTGTGGAAGTGTGGGCACAGTGTGGGACGCGCATCCAGGACAAATCGTGGG 780
QY	781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCCAAAGTGC 840
Db	781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCCAAAGTGC 840
QY	841 CAACCATACATATGCGACACCTTTCACAGGAAACGCAAAAGGATACCTGCTGGCAGC 900
Db	841 CAACCATACATATGCGACACCTTTCACAGGAAACGCAAAAGGATACCTGCTGGCAGC 900
QY	901 GGGGTGCATGTGCTATATATATCTGTGCTCATCTGATCTCGGCGCTGGCGGA 960
Db	901 GGGGTGCATGTGCTATATATCTGTGCTCATCTGATCTCGGCGCTGGCGGA 960
QY	961 GCAGAGAAACCTTATGAAGCCGACGCTCTGAGCCAATCGCTACTTCCGGGCGCTACG 1020
Db	961 GCAGAGAAACCTTATGAAGCCGACGCTCTGAGCCAATCGCTACTTCCGGGCGCTACG 1020
QY	1021 GCTGGTGCATGAGCCAGCGCCCATACATCAAACTTATTACTGGCTTCTTCACTCCTT 1080
Db	1021 GCTGGTGCATGAGCCAGCGCCCATACATCAAACTTATTACTGGCTTCTTCACTCCTT 1080
QY	1081 GGCTTTTATGCTGTGGAGGAACTTTGCTGTGTTTTGCACCTTACACCTTGGGCTTCCG 1144
Db	1081 GGCTTTTATGCTGTGGAGGAACTTTGCTGTGTTTTGCACCTTACACCTTGGGCTTCCG 1144
QY	1141 CAATGAATCCAGAACTACTCTCGGCATCATGCTCTCGGCGACTTTAACCATTCGCAT 1200
Db	1141 CAATGAATCCAGAACTACTCTCGGCATCATGCTCTCGGCGACTTTAACCATTCGCAT 1200
QY	1201 CTGGCAGTGGTTCTTGGACCCGTTTTGCAAGAAGACGCTATATATGTTGGGATCTCATC 1260
Db	1201 CTGGCAGTGGTTCTTGGACCCGTTTTGCAAGAAGACGCTATATGTTGGGATCTCATC 1260
QY	1261 AGCAGTGGCATTTCTCATCTTGGTGGCCCTCATGAGAGTAACCTCATCATATATATGC 1320
Db	1261 AGCAGTGGCATTTCTCATCTTGGTGGCCCTCATGAGAGTAACCTCATCATATATGC 1320
QY	1321 GGTAGTGTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGGTCCATGCT 1380
Db	1321 GGTAGTGTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGGTCCATGCT 1380
QY	1381 GCCTGATGTCATGAGCAGCTTCCATCTGAAGCGCCCATCTCCATGGAACCGAGCCCAT 1440
Db	1381 GCCTGATGTCATGAGCAGCTTCCATCTGAAGCGCCCATCTCCATGGAACCGAGCCCAT 1440
QY	1441 CTTTCTTCTCTATGCTTCTTCCAAAGTTTGCCTCTCGAGTGTACCTGGGCATTTTC 1500
Db	1441 CTTTCTTCTCTATGCTTCTTCCAAAGTTTGCCTCTCGAGTGTACCTGGGCATTTTC 1500
QY	1501 TACCTCTAGTCTGGACTTTGACGGTACACAGCCCGTGGCTGCTCGACCGCGAAACGTGT 1560
Db	1501 TACCTCTAGTCTGGACTTTGACGGTACACAGCCCGTGGCTGCTCGACCGCGAAACGTGT 1560
QY	1561 CAAGTTTACACTGACATGCTCGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCT 1620
Db	1561 CAAGTTTACACTGACATGCTCGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCT 1620
QY	1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGGCGGAGAAATAAGAGGCGCT 1680
Db	1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGGCGGAGAAATAAGAGGCGCT 1680
QY	1681 GCAGGCACTGAGGGACGAGGCGACAGCTGTGGCTGCTCGAAGAACAGACTCCACAGAGCT 1740
Db	1681 GCAGGCACTGAGGGACGAGGCGACAGCTGTGGCTGCTCGAAGAACAGACTCCACAGAGCT 1740
QY	1741 GGTAGTACCTCTTAGGGCCCGCACGTTGCCGAGCCCATGTCAGAAAGCCACAGAA 1800
Db	1741 GGTAGTACCTCTTAGGGCCCGCACGTTGCCGAGCCCATGTCAGAAAGCCACAGAA 1800
QY	1801 GGGATCAGACACCTGTCTGCCGGCTTGTGAGCAGCTGACCTGTCAGGTTGCTAGGAAGGAA 1860
Db	1801 GGGATCAGACACCTGTCTGCCGGCTTGTGAGCAGCTGACCTGTCAGGTTGCTAGGAAGGAA 1860
QY	1861 CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGCTGCTCACTGTGGGGCGGCTGCTC 1920
Db	1861 CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGCTGCTCACTGTGGGGCGGCTGCTC 1920
QY	1921 TGTGGCTCCTGCTCCCTCTGCGCTGCTGTGGGGCCAAAGCCCTGGGGCTGCCACTGTG 1980
Db	1921 TGTGGCTCCTGCTCCCTCTGCGCTGCTGTGGGGCCAAAGCCCTGGGGCTGCCACTGTG 1980
QY	1981 AATATGCCAAGGACTGATCGGGCTTAGCCGGAACACTTAATGTAGAAACCTTTTTTTTAC 2040
Db	1981 AATATGCCAAGGACTGATCGGGCTTAGCCGGAACACTTAATGTAGAAACCTTTTTTTTAC 2040
QY	2041 AGAGCCTAATTAATTAATGACTGTGATACAGCAATGTGTGTATGTATATGCT 2100
Db	2041 AGAGCCTAATTAATTAATGACTGTGATACAGCAATGTGTGTATGTATATGCT 2100
QY	2101 GTGAGCTATTAATGTTAATTTTTCATAAAAGCTGGAAAGC 2142
Db	2101 GTGAGCTATTAATGTTAATTTTTCATAAAAGCTGGAAAGC 2142

RESULT 11	PR	20-MAR-1998;	98US-078910P.
ABX16907	PR	28-APR-1998;	98US-083322P.
ID ABX16907 standard; cDNA: 2142 BP.	PR	07-MAY-1998;	98US-084600P.
XX	PR	28-MAY-1998;	98US-087106P.
AC ABX16907;	PR	02-JUN-1998;	98US-087607P.
XX	PR	02-JUN-1998;	98US-087609P.
DT	PR	02-JUN-1998;	98US-087759P.
XX	PR	03-JUN-1998;	98US-087827P.
XX	PR	04-JUN-1998;	98US-088021P.
DE	PR	04-JUN-1998;	98US-088025P.
XX	PR	04-JUN-1998;	98US-088026P.
XX	PR	04-JUN-1998;	98US-088028P.
KW Human; PRO; gene; ss; secreted polypeptide; transmembrane polypeptide;	PR	04-JUN-1998;	98US-088029P.
KW toxin; radiolabel; cell death; gene mapping; chromosome mapping;	PR	04-JUN-1998;	98US-088030P.
KW protein electrophoresis; genetic disorder; immunosuppressive; cytostatic;	PR	04-JUN-1998;	98US-088033P.
KW antibacterial.	PR	04-JUN-1998;	98US-088326P.
XX	PR	04-JUN-1998;	98US-088167P.
OS Homo sapiens.	PR	05-JUN-1998;	98US-088202P.
XX	PR	05-JUN-1998;	98US-088212P.
PN US2002123463-A1.	PR	05-JUN-1998;	98US-088217P.
XX	PR	09-JUN-1998;	98US-088655P.
PD	PR	10-JUN-1998;	98US-088734P.
XX	PR	10-JUN-1998;	98US-088738P.
XX	PR	10-JUN-1998;	98US-088742P.
XX	PR	10-JUN-1998;	98US-088810P.
PR	PR	10-JUN-1998;	98US-088824P.
PR	PR	10-JUN-1998;	98US-088826P.
PR	PR	11-JUN-1998;	98US-088858P.
PR	PR	11-JUN-1998;	98US-088861P.
PR	PR	11-JUN-1998;	98US-088876P.
PR	PR	12-JUN-1998;	98US-089105P.
PR	PR	16-JUN-1998;	98US-089440P.
PR	PR	16-JUN-1998;	98US-089512P.
PR	PR	16-JUN-1998;	98US-089514P.
PR	PR	17-JUN-1998;	98US-089532P.
PR	PR	17-JUN-1998;	98US-089538P.
PR	PR	17-JUN-1998;	98US-089598P.
PR	PR	17-JUN-1998;	98US-089599P.
PR	PR	17-JUN-1998;	98US-089600P.
PR	PR	17-JUN-1998;	98US-089653P.
PR	PR	18-JUN-1998;	98US-089801P.
PR	PR	18-JUN-1998;	98US-089907P.
PR	PR	18-JUN-1998;	98US-089908P.
PR	PR	28-AUG-2001;	2001US-0941992.
XX	PA	(GETH) GENENTECH INC.	
XX	PI	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;	
PI	PI	Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;	
PI	PI	Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;	
PI	PI	Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
PI	PI	Zhang Z;	
XX	XX	WPI; 2003-066810/06.	
DR	DR	P-PSDB; ABU10819.	
XX	XX	Novel secreted and transmembrane polypeptide for modulating biological	
PT	PT	activity of cell expressing the polypeptide, identifying agonists or	
PT	PT	antagonists of polypeptide, and as molecular weight markers	
XX	XX	Claim 2; Fig 11; 655pp; English.	
PS	XX	The invention relates to a secreted and transmembrane polypeptide, termed	
XX	XX	PRO polypeptide, and the polynucleotide encoding it. The polypeptide is	
CC	CC	useful for detecting PRO polypeptides and for linking a bioactive	
CC	CC	molecule to a cell expressing the above polypeptides, where the bioactive	
CC	CC	molecule is a toxin, radiolabel or an antibody. The bioactive material	
CC	CC	causes the death of the cell. The polypeptide is useful for identifying	
CC	CC	agonists or antagonists of the PRO polypeptide, for preparing variants of	
CC	CC	PRO, as a molecular weight marker for protein electrophoresis purposes	
CC	CC	and the PRO polynucleotide is useful for recombinantly expressing those	
CC	CC	markers. The polynucleotide is also useful as a hybridisation probe, in	
CC	CC	chromosome and gene mapping, in generation of antisense RNA and DNA, in	

QY 277 CAACAGTTCCTGTTTGCACAAAGCTTTGCTATGACACTTGGGGAGCCCCCTACAGGTG 336
DB |||||||
263 CAACAGTTCCTGTTTGCACAAAGCTTTGCTATGACACTTGGGGAGCCCCCTACAGGTG 322
QY |||||||
337 ACGGGCTGTGGCCCTGGGTTTCTCTTCAGATCTACCTATTGCGATGTGGCTCAGGTGGC 396
DB |||||||
323 ACGGGCTGTGGCCCTGGGTTTCTCTTCAGATCTACCTATTGCGATGTGGCTCAGGTGGC 382
QY |||||||
397 CTTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGCCTGGGATGCCATCACAGACCC 456
DB |||||||
383 CTTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGCCTGGGATGCCATCACAGACCC 442
QY |||||||
457 CTGGTGGGCTGTGCATCAGCAAAATCCCCCTGGACCTGCCTGGGTGCGCTTATGCCCCTGG 516
DB |||||||
443 CTGGTGGGCTGTGCATCAGCAAAATCCCCCTGGACCTGCCTGGGTGCGCTTATGCCCCTGG 502
QY |||||||
517 ATCATCTTCTCCACGCCCTGGCCGTCATTCGCTACTTCCCTACTTCCATCTGCTGGTGGCCGAC 576
DB |||||||
503 ATCATCTTCTCCACGCCCTGGCCGTCATTCGCTACTTCCCTACTTCCATCTGCTGGTGGCCGAC 562
QY |||||||
577 TTCCACACGGCCAGACCTATTGGTACCTTGCTTTTCTATTGCTCTTTTGAACAATGGTC 636
DB |||||||
563 TTCCACACGGCCAGACCTATTGGTACCTTGCTTTTCTATTGCTCTTTTGAACAATGGTC 622
QY |||||||
637 AGGTGTTTCCATGTTCCCTACTCGGCTCTCAGCATGTTTCATCAGCAACCGAGACACTGA 696
DB |||||||
623 AGGTGTTTCCATGTTTCCCTACTCGGCTCTCAGCATGTTTCATCAGC - ACCGAGCAGACTGA 681
QY |||||||
697 GCGGATTCGACCGCTATCGGATGACTGTGGAAGTGTGGACAGTGGCCACAGTCTGGGCAC 756
DB |||||||
682 GCGGATTCGACCGCTATCGGATGACTGTGGAAGTGTGGACAGTGGCCACAGTCTGGGCAC 741
QY |||||||
757 GCGATCCAGGACAAATCGTGGCCAAAGCAGACACGCTTGTTCACAGGACTTCAATAG 816
DB |||||||
742 GCGATCCAGGACAAATCGTGGCCAAAGCAGACACGCTTGTTCACAGGACTTCAATAG 801
QY |||||||
817 CTCACAGTAGTTCACAAAGTGCACCATACACATGCGACCTTCACACAGGGAAC 876
DB |||||||
802 CTCACAGTAGTTCACAAAGTGCACCATACACATGCGACCTTCACACAGGGAAC 861
QY |||||||
877 GCAAAAGCATACCTGCTGGCAGCGGGGTCAATGCTGTATCTATATAATCTGTGCTGT 936
DB |||||||
862 GCAAAAGCATACCTGCTGGCAGCGGGGTCAATGCTGTATCTATATAATCTGTGCTGT 921
QY |||||||
937 CATCTGTATCTGGCGGTGGGAGCAGAGAAACCCCTATGAAGCCCGACAGTGTGAGCC 996
DB |||||||
922 CATCTGTATCTGGCGGTGGGAGCAGAGAAACCCCTATGAAGCCCGACAGTGTGAGCC 981
QY |||||||
997 AATCGCCTACTTCCGGGCGCTACGGCTGGTATGAGCCACGCGCCCATACATCAAACTTAT 1056
DB |||||||
982 AATCGCCTACTTCCGGGCGCTACGGCTGGTATGAGCCACGCGCCCATACATCAAACTTAT 1041
QY |||||||
1057 TACTGGCTTCTCTTCACTCTCTTGGCTTTCATGCTGTGGAGGGGAATTTGCTCTGTT 1116
DB |||||||
1042 TACTGGCTTCTCTTCACTCTCTTGGCTTTCATGCTGTGGAGGGGAATTTGCTCTGTT 1101
QY |||||||
1117 TTGCACCTACACTTGGGCTTCCGCAATGAATCCAGAACTACTCTCTGGCCATCATGCT 1176
DB |||||||
1102 TTGCACCTACACTTGGGCTTCCGCAATGAATCCAGAACTACTCTCTGGCCATCATGCT 1161
QY |||||||
1177 CTCGGCCACTTAACCATTCCTCATCTGGCAGTGGTCTTGACCCGGTTTGGCAGAAGAC 1236
DB |||||||
1162 CTCGGCCACTTAACCATTCCTCATCTGGCAGTGGTCTTGACCCGGTTTGGCAGAAGAC 1221
QY |||||||
1237 AGCTGTATATGTGGATCTCATCAGCAGTGCCTTTCTCATCTTGGTGGCCCTCATGGA 1296
DB |||||||
1222 AGCTGTATATGTGGATCTCATCAGCAGTGCCTTTCTCATCTTGGTGGCCCTCATGGA 1281
QY |||||||
1297 GAGTAACCTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGC 1356
DB |||||||
1282 GAGTAACCTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGC 1341

QY 1357 CTTCTTACTACCTGGTCCATGCTGCTGATGTCTATTCAGGACTTCCATCTGAAGCAGCC 1416
DB |||||||
1342 CTTCTTACTACCTGGTCCATGCTGCTGATGTCTATTCAGGACTTCCATCTGAAGCAGCC 1401
QY |||||||
1417 CCACCTTCCATGAACCCGAGCCCATCTTCTTCTCCTTCTATGCTCTTCTTCCACCACTTTGC 1476
DB |||||||
1402 CCACCTTCCATGAACCCGAGCCCATCTTCTTCTCCTTCTATGCTCTTCTTCCACCACTTTGC 1461
QY |||||||
1477 CTCTGGAGTGTCACTGGGCATTTTACCCCTCAGTCTGAGCTTTCGAGGTTACCAAGCCG 1536
DB |||||||
1462 CTCTGGAGTGTCACTGGGCATTTTACCCCTCAGTCTGAGCTTTCGAGGTTACCAAGCCG 1521
QY |||||||
1537 TGGCTGTCTGACAGCCGGAACGTGTCAAGTTTACACTGAACATGCTCTGACATGGCTTCC 1596
DB |||||||
1522 TGGCTGTCTGACAGCCGGAACGTGTCAAGTTTACACTGAACATGCTCTGACATGGCTTCC 1581
QY |||||||
1597 CATAGTTCTCATCTCTGCTGGCCCTGCTCTCTTCAAAATGTACCCCATTTGATGAGGAG 1656
DB |||||||
1582 CATAGTTCTCATCTCTGCTGGCCCTGCTCTCTTCAAAATGTACCCCATTTGATGAGGAG 1641
QY |||||||
1657 GCGGCGCAGAAATAAGAAAGGCCCTGACAGGCATCTGAGGACAGGCCAGCAGCTCTGGCTG 1716
DB |||||||
1642 GCGGCGCAGAAATAAGAAAGGCCCTGACAGGCATCTGAGGACAGGCCAGCAGCTCTGGCTG 1701
QY |||||||
1717 CTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCCGCCACGCTTGGCCGAA 1776
DB |||||||
1702 CTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCCGCCACGCTTGGCCGAA 1761
QY |||||||
1777 GCCACATGCAGAAAGGCCACAGAGGATCAGGACCTGCTCTGCCGGCTTGTGTGAGCAGCT 1836
DB |||||||
1762 GCCACATGCAGAAAGGCCACAGAGGATCAGGACCTGCTCGCCGGCTTGTGTGAGCAGCT 1821
QY |||||||
1837 GGACTGCAAGTCTAGGAAGGAACTGAAGACTCAAGAGAGTGGCCAGGACACTTGTCTG 1896
DB |||||||
1822 GGACTGCAAGTCTAGGAAGGAACTGAAGACTCAAGAGAGTGGCCAGGACACTTGTCTG 1881
QY |||||||
1897 TGCTCACTGTGGGCGCGCTCTCTGTGGCCCTCTGCTCCCTCTGCTCTGCTGCTGCTGGG 1956
DB |||||||
1882 TGCTCACTGTGGGCGCGCTCTCTGTGGCCCTCTGCTCCCTCTGCTCTGCTGCTGCTGGG 1941
QY |||||||
1957 CCAAGCCCTGGGGCTGCCACTGTGAATATGCAAGGACTGATCGGCCCTAGCCCGGAACA 2016
DB |||||||
1942 CCAAGCCCTGGGGCTGCCACTGTGAATATGCAAGGACTGATCGGCCCTAGCCCGGAACA 2001
QY |||||||
2017 CTAATGTAGAAACCTTTTTCACAGAGCCCTAATTAATTAATTAATTAATTAATTAATTA 2076
DB |||||||
2002 CTAATGTAGAAACCTTTTTCACAGAGCCCTAATTAATTAATTAATTAATTAATTAATTA 2061
QY |||||||
2077 CAATGTGTGTATGTATATGCTGTGAGCTATTAACTTAACTTAACTTAACTTAACTTAA 2136
DB |||||||
2062 CAATGTGTGTATGTATATGCTGTGAGCTATTAACTTAACTTAACTTAACTTAACTTAA 2121
QY 2137 G 2137
DB 2122 G 2122

RESULT 14
AAZ52455
ID AAZ52455 standard; DNA; 2133 BP.
XX AAZ52455;
AC AAZ52455;
XX
DT 24-FEB-2000 (first entry)
XX
XX HTRM clone 156986 DNA sequence.
DE
XX HTRM; human transcriptional regulatory molecule; arteriosclerosis; AIDS;
KW arteriosclerosis; cirrhosis; cancer; leukaemia; diabetes mellitus; ss;
KW Addison's disease; multiple sclerosis; rheumatoid arthritis; infection;
KW trauma; myasthenia gravis; adenocarcinoma; immune disorder; treatment.
XX
OS Homo sapiens.

[illegible]

Db 1335 CTCTTACTACCTGGTCCATGCTGCTGATGCTATTGACGACTTCCATCTGAACAGCC 1394
Qy 1417 CCACCTTCCATGAACCGAGCCCATCTCTCTCCCTTCTATGCTTCTTCAACAAAGTTGC 1476
Db 1395 CCACCTTCCATGAACCGAGCCCATCTCTCTCCCTTCTATGCTTCTTCAACAAAGTTGC 1454
Qy 1477 CTCTGAGTGTCACTGGGCATTTTACCCCTCAGTCTGGACTTTGACAGGTACACAGCCG 1536
Db 1455 CTCTGAGTGTCACTGGGCATTTTACCCCTCAGTCTGGACTTTGACAGGTACACAGCCG 1514
Qy 1537 TGGCTGCTCGACGCGGACGTCAGTTTACACTGAACATGCTCTGTCGACATGGCTCC 1596
Db 1515 TGGCTGCTCGACGCGGACGTCAGTTTACACTGAACATGCTCTGTCGACATGGCTCC 1574
Qy 1597 CATAGTCTCATCTCTGCTGGGCTGCTCTCTTCAAAATGTACCCCATTTGATGAGGAG 1656
Db 1575 CATAGTCTCATCTCTGCTGGGCTGCTCTCTTCAAAATGTACCCCATTTGATGAGGAG 1634
Qy 1657 GCGGCGGAGATAAGAGGCCCTGCAGGCACTGAGGACAGGCGCAGAGCTCTGGGTG 1716
Db 1635 GCGGCGGAGATAAGAGGCCCTGCAGGCACTGAGGACAGGCGCAGAGCTCTGGGTG 1694
Qy 1717 CTCAGAAACAGACTCCACAGAGCTGCTAGCATCTCTAGGCGCGCCACGTTGCCGAA 1776
Db 1695 CTCAGAAACAGACTCCACAGAGCTGCTAGCATCTCTAGGCGCGCCACGTTGCCGAA 1754
Qy 1777 GCCACCATGCAGAGGCCACAGAGGGATCAGGACCTCTGCTCCGGCTTGTGTAGCAGCT 1836
Db 1755 GCCACCATGCAGAGGCCACAGAGGGATCAGGACCTCTGCTCCGGCTTGTGTAGCAGCT 1814
Qy 1837 GGACTGCAAGTCTAGGAGGGAAGTGAAGACTGAAGACTGAAGAGTGGCCAGGACATTTGCTG 1896
Db 1815 GGACTGCAAGTCTAGGAGGGAAGTGAAGACTGAAGACTGAAGAGTGGCCAGGACATTTGCTG 1874
Qy 1897 TGCTCAGTGTGGGCGGCTGCTCTGTGGCTCTCTGCTCCCTGCTGCTGCTGCTGCTGGG 1956
Db 1875 TGCTCAGTGTGGGCGGCTGCTCTGTGGCTCTCTGCTCCCTGCTGCTGCTGCTGCTGGG 1934
Qy 1957 CCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGGCTAGCCCGGAACA 2016
Db 1935 CCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGGCTAGCCCGGAACA 1994
Qy 2017 CTAATGTAGAAACCTTTTTT 2038
Db 1995 CTAATGTAGAAACCTTTTTT 2016

RESULT 15
ABS57588
ID ABS57588 standard; cDNA; 2160 BP.

XX ABS57588;
AC ABS57588;

DT 13-FEB-2003 (first entry)

DE Human pp1977 cDNA SEQ ID NO 7.

XX Human; cancer suppression; treatment; pp1977; gene; ss.

XX Homo sapiens.

XX Key Location/Qualifiers
XX CDS 138..1730

FT /*tag= a

FT /product= "pp1977"

XX CN1351079-A.

XX 29-MAY-2002.

XX 31-OCT-2000; 2000CN-0125900.

XX

PR 31-OCT-2000; 2000CN-0125900.
XX (SHAN-) SHANGHAI INST ONCOLOGY.
PI Gu J;
XX WPI; 2002-619870/67.
DR P-PSDB; ABG73497.
PT New human protein with cancer cell growth suppressing function and a
XX polynucleotide encoding it, for treating diseases such as cancer -
PS Example 1; Page 17 (Disclosure); 3lpp; Chinese.
CC This invention describes a novel human polypeptide with cancer
CC suppressing function, the polynucleotide encoding it. Preparation of the
CC polypeptide by recombination, application of the polypeptide in
CC treating diseases such as cancer, etc, the antagonist of the
CC polypeptide and its medical action and the application of the
CC polynucleotide are disclosed. This sequence encodes a human protein
XX with cancer suppressing activity, designated pp1977.
SQ Sequence 2160 BP; 479 A; 621 C; 560 G; 500 T; 0 other;

Query Match 82.7%; Score 1772; DB 24; Length 2160;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1992; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 148 CGTGGCCGCGGTCATGGCCAAAGAGGAGGAGCGCGGAGCGGCTCCGCGCGGGGTG 207
Db 123 CGTGGCCGCGGTCATGGCCAAAGAGGAGGAGCGCGGAGCGGCTCCGCGCGGGGTG 182
Qy 208 CTACCCACAGCATCTCTCAAAAGCACCTGAACGCCGCCAGGTGAAGAAAGAACCCGAAA 267
Db 183 CTACCCACAGCATCTCTCAAAAGCACCTGAACGCCGCCAGGTGAAGAAAGAACCCGAAA 242
Qy 268 AAGAGAAACAAACAGTGTCTGTTTGCNACAAAGCTTTGCTATGCACTTGGGGAGCCGCC 327
Db 243 AAGAGAAACAAACAGTGTCTGTTTGCNACAAAGCTTTGCTATGCACTTGGGGAGCCGCC 302
Qy 328 TACCAGGTGACGGGTGTCCTGCTGCTTCTTCTTCCATCAGATCTACCTATTTGATGTGCT 387
Db 303 TACCAGGTGACGGGTGTCCTGCTGCTTCTTCTTCCATCAGATCTACCTATTTGATGTGCT 362
Qy 388 CAGGTGGGCCCTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGGCTGGGATGCCATC 447
Db 363 CAGGTGGGCCCTTTCTCTGCTCCATCATCTCTGTTTGTGGCCGAGGCTGGGATGCCATC 422
Qy 448 ACAGACCCCTGGTGGGCTCTGCTCAGCAAAATCCCTCGACCTGCCTGGGTCGCTT 507
Db 423 ACAGACCCCTGGTGGGCTCTGCTCAGCAAAATCCCTCGACCTGCCTGGGTCGCTT 482
Qy 508 ATGCCCTGGATCATCTTCTCCACGCCCTCGCGCTCATTTGCTTACTTCTCTCATCTGTTTC 567
Db 483 ATGCCCTGGATCATCTTCTCCACGCCCTCGCGCTCATTTGCTTACTTCTCTCATCTGTTTC 542
Qy 568 GTGCCCGACTTCCACACGGCCAGACCTATTTGTTTGTGTTTCTATTTGCTCTTTGAA 627
Db 543 GTGCCCGACTTCCACACGGCCAGACCTATTTGTTTGTGTTTCTATTTGCTCTTTGAA 602
Qy 628 ACAATGCTCAGTGTCTTCCATGTTTCCCTACTCTGCTCTCACCATGTTTCATCAGCAACCGA 687
Db 603 ACAATGCTCAGTGTCTTCCATGTTTCCCTACTCTGCTCTCACCATGTTTCATCAGCAACCGA 661
Qy 688 GCAGACTGAGCGGATTTCTGCCACCGCTATCGGATGACTGTGGAAGTGTGGGACAGT 747
Db 662 GCAGACTGAGCGGATTTCTGCCACCGCTATCGGATGACTGTGGAAGTGTGGGACAGT 721
Qy 748 GCTGGGACGCGGATCCAGGACAAATCGTGGGCGCAAGACAGACGCTTGTGTTTCCAGGA 807
Db 722 GCTGGGACGCGGATCCAGGACAAATCGTGGGCGCAAGACAGACGCTTGTGTTTCCAGGA 781
Qy 808 CTTCAATAGCTCTACAGTAGCTTTCACAAAGTGCCCAACCATACATGSCACACTTCA 867

Db 782 CCTCAATAGTCTACAGTAGCTTCAAAAGTGCACACCATACATATGCGCACCACTCAC 841
QY 868 CAGGAAACGCAAAAGGCATACCTGCTGGCAGCGGGGTCATTTGCTGTATCTATATAAT 927
Db 842 CAGGAAACGCAAAAGGCATACCTGCTGGCAGCGGGGTCATTTGCTGTATCTATATAAT 901
QY 928 CTGTGCTGTCATCCTGATCCTGGCGCTGGCGGAGCAGAGAACCCCTATGAAGCCAGCA 987
Db 902 CTGTGCTGTCATCCTGATCCTGGCGCTGGCGGAGCAGAGAACCCCTATGAAGCCAGCA 961
QY 988 GTCTGAGCCATCGCCTACTTCCGGGCGCTACGGCTGGTGCATGAGCCACGGCCATACAT 1047
Db 962 GTCTGAGCCATCGCCTACTTCCGGGCGCTACGGCTGGTGCATGAGCCACGGCCATACAT 1021
QY 1048 CAAACTTATTACTGGCTTCTCTTCCACCTCTTCCGCTTTCATGCTGGTGGAGGGAACCTT 1107
Db 1022 CAAACTTATTACTGGCTTCTCTTCCACCTCTTCCGCTTTCATGCTGGTGGAGGGAACCTT 1081
QY 1108 TGTCTGTTTGTGACCTACACCTTGGGCTTCCGCAATGAATCCAGAATCTACTCTCTGC 1167
Db 1082 TGTCTGTTTGTGACCTACACCTTGGGCTTCCGCAATGAATCCAGAATCTACTCTCTGC 1141
QY 1168 CATCATGCTCTCGGCCACCTTTAACCATTTCCCATCTGGCAGTGGTCTTGACCCGGTTGG 1227
Db 1142 CATCATGCTCTCGGCCACCTTTAACCATTTCCCATCTGGCAGTGGTCTTGACCCGGTTGG 1201
QY 1228 CAAAGAGACAGCTGTATGTTGGGATCTCATCAGCAGTGCCTATTTCTCATCTTGGTGC 1287
Db 1202 CAAAGAGACAGCTGTATGTTGGGATCTCATCAGCAGTGCCTATTTCTCATCTTGGTGC 1261
QY 1288 CCTCATGGAGAGTAACCTCATCATTTACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGT 1347
Db 1262 CCTCATGGAGAGTAACCTCATCATTTACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGT 1321
QY 1348 GGCAGCTGCCTTCTTACTACCTTGGTCCATGCTGCTGATGCTGATGCTGATGCTGATGCT 1407
Db 1322 GGCAGCTGCCTTCTTACTACCTTGGTCCATGCTGCTGATGCTGATGCTGATGCTGATGCT 1381
QY 1408 GAAGCAGCCGCTTCCATGGAACCGAGCCGCTTCTTCTCTCTCTCTCTCTCTCTCTCTCT 1467
Db 1382 GAAGCAGCCGCTTCCATGGAACCGAGCCGCTTCTTCTCTCTCTCTCTCTCTCTCTCT 1441
QY 1468 CAAAGTTGGCTCTGGAGTGTCACTGGGCAATTTTACCCCTAGCTGGACCTTTCAGGGTA 1527
Db 1442 CAAAGTTGGCTCTGGAGTGTCACTGGGCAATTTTACCCCTAGCTGGACCTTTCAGGGTA 1501
QY 1528 CCAGACCCGCTGCTGCTGAGCCGCAAGCTGTCAAGTTTACACTGAACATGCTGCTGAC 1587
Db 1502 CCAGACCCGCTGCTGCTGAGCCGCAAGCTGTCAAGTTTACACTGAACATGCTGCTGAC 1561
QY 1588 CATGGCTCCCATAGTTCTCATCTGCTGGGCTGCTGCTCTTCAAAATGTAACCCATTTGA 1647
Db 1562 CATGGCTCCCATAGTTCTCATCTGCTGGGCTGCTGCTCTTCAAAATGTAACCCATTTGA 1621
QY 1648 TGAGGAGCGCGCGCAGAAATGAAGGCGCTGAGGCACTGAGGAGCAGGCGCAGCAG 1707
Db 1622 TGAGGAGCGCGCGCAGAAATGAAGGCGCTGAGGCACTGAGGAGCAGGCGCAGCAG 1681
QY 1708 CTCTGCTGCTCAGAACAGACTCCACAGAGTGGCTAGCATCTTAGGCGCCGCGCAGC 1767
Db 1682 CTCTGCTGCTCAGAACAGACTCCACAGAGTGGCTAGCATCTTAGGCGCCGCGCAGC 1741
QY 1768 TTCCCGAAGCCACCATGCAAGAGCCACAGAGGATCAGGACCTGCTGCGCGCTTGC 1827
Db 1742 TTCCCGAAGCCACCATGCAAGAGCCACAGAGGATCAGGACCTGCTGCGCGCTTGC 1801
QY 1828 TGAGCAGCTGAGCTGAGTGTCTAGGAGGGAATGAAGACTCAAGAGGTGCGCCAGGA 1887
Db 1802 TGAGCAGCTGAGCTGAGTGTCTAGGAGGGAATGAAGACTCAAGAGGTGCGCCAGGA 1861
QY 1888 CACTTGTGTCTACTGTGGGCGCGCTGCTCTGTGGCTCTCTGCTCTCTCTCTCTCTCTCT 1947

Db 1862 CACTTGTGTCTACTGTGGGCGCGCTGCTGTGTGGCTCTCTGCTCTCTCTCTCTCTCT 1921
QY 1948 CCTGTGGGCGCAAGCCCTGGGCTGCCACTGTGAATATGCAAGGACTGATCGGCGCTAG 2007
Db 1922 CCTGTGGGCGCAAGCCCTGGGCTGCCACTGTGAATATGCAAGGACTGATCGGCGCTAG 1981
QY 2008 CCCGGAACACTAATGTAGAAACCTTTTTTTACAGAGCCCTAATTAATTAATGACTG 2067
Db 1982 CCCGGAACACTAATGTAGAAACCTTTTTTTACAGAGCCCTAATTAATTAATGACTG 2041
QY 2068 TGTACATAGCAATGTGTGTATGTATATGTGTGTGAGCTATTAATGTTAATTTTCA 2127
Db 2042 TGTACATAGCAATGTGTGTATGTATATGTGTGTGAGCTATTAATGTTAATTTTCA 2101
QY 2128 TAAAGCTGGAAGC 2142
Db 2102 TAAAGCTGGAAGC 2116
RESULT 16
ABS57589
ID ABS57589 standard; cDNA; 2160 BP.
XX ABS57589;
AC ABS57589;
XX
DT 13-FEB-2003 (first entry)
XX
DE Human PP9177 cDNA SEQ ID NO 9.
XX
KW Human; cancer suppression; treatment; PP9177; gene; ss.
XX
OS Homo sapiens.
XX
PH
FT Key Location/Qualifiers
FT CDS 138..1730
FT /*tag= a
FT /product= "PP9177"
XX
PN CN1351079-A.
XX
PD 29-MAY-2002.
XX
PF 31-OCT-2000; 2000CN-0125900.
XX
PR 31-OCT-2000; 2000CN-0125900.
XX
PA (SHAN-) SHANGHAI INST ONCOLOGY.
XX
PI Gu J;
XX
DR WPI; 2002-619870/67.
DR P-PSDB; ABG73497.
XX
PT New human protein with cancer cell growth suppressing function and a
PT polynucleotide encoding it, for treating diseases such as cancer
XX
PS Claim 5; Page 18-20 (Disclosure); 31pp; Chinese.
CC This invention describes a novel human polypeptide with cancer
CC suppressing function, the polynucleotide encoding it. Preparation of the
CC polypeptide by recombination, application of the polypeptide in
CC treating diseases such as cancer, etc, the antagonist of the
CC polypeptide and its medical action and the application of the
CC polynucleotide are disclosed. This sequence encodes a human protein
CC with cancer suppressing activity, designated PP9177.
XX
SQ Sequence 2160 BP; 479 A; 621 C; 560 G; 500 T; 0 other;
Query Match 82.7%; Score 1772; DB 24; Length 2160;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1992; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
QY 148 CGTGGCCCGGGTCTATGCGCAAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGCTG 207

123	Db		CGTGGCCGGGGTTCATGGCCAAAGAGAAAGCGCCGAGAGCGGCTCCGGGGGGGGCTG	182
208	Qy		CTACCCACCAAGCATCCTCAAAGACATGAACGCCCGCCAGGTGAAGAAGAACCCAAA	267
183	Db		CTACCCACCAAGCATCCTCAAAGACATGAACGCCCGCCAGGTGAAGAAGAACCCAAA	242
268	Qy		AAGAAGAAACAAGTTGCTGTGTTGCAACAAGCTTTGCTATGACATTTGGGGAGACCC	327
243	Db		AAGAAGAAACAAGTTGCTGTGTTGCAACAAGCTTTGCTATGACATTTGGGGAGACCC	302
328	Qy		TACCAGGTGACGGCTGTGCCCTGGGTTCTTCCTTCAGATCTACCTATTGGATGTGGCT	387
303	Db		TACCAGGTGACGGCTGTGCCCTGGGTTCTTCCTTCAGATCTACCTATTGGATGTGGCT	362
388	Qy		CAGTGGGCCCTTTCTCTGCCTCCATCATCTGTGTTGTGGCGGAGCTGGGATGCCATC	447
363	Db		CAGTGGGCCCTTTCTCTGCCTCCATCATCTGTGTTGTGGCGGAGCTGGGATGCCATC	422
448	Qy		ACAGACCCCTGTGGGCGCTCTGCATCAGCAAAATCCCCCTGGACCTGCCGTGGCTGC	507
423	Db		ACAGACCCCTGTGGGCGCTCTGCATCAGCAAAATCCCCCTGGACCTGCCGTGGCTGC	482
508	Qy		ATGCCCTGGATCATCTTCTCCACGCCCTGGCGCTCATGTGCTACTTCTCTCATCTGCTC	567
483	Db		ATGCCCTGGATCATCTTCTCCACGCCCTGGCGCTCATGTGCTACTTCTCTCATCTGCTC	542
568	Qy		GTGCCGACTTCCACAGGCGACACTATTGGTACCTGCTTTTCTATATGGCTCTTTGAA	627
543	Db		GTGCCGACTTCCACAGGCGACACTATTGGTACCTGCTTTTCTATATGGCTCTTTGAA	602
628	Qy		ACAATGTACGTCTTTTCCATGTTCCCTACTCGGCTCTCACTGTTTCATCAGCAACCGA	687
603	Db		ACAATGTACGTCTTTTCCATGTTTCCCTACTCGGCTCTCACTGTTTCATCAGCAACCGA	661
688	Qy		GCAGACTGAGCGGATTTCTGCCACCGCTATPCGATGACTGTGGAAGTCTGGGCACAGT	747
662	Db		GCAGACTGAGCGGATTTCTGCCACCGCTATPCGATGACTGTGGAAGTCTGGGCACAGT	721
748	Qy		GCTGGCACGCGATCCAGGACAAATCGTGGCCAGCAGACACGCTGTGTTTCAAGA	807
722	Db		GCTGGCACGCGATCCAGGACAAATCGTGGCCAGCAGACACGCTGTGTTTCAAGA	781
808	Qy		CTTCAATAGCTCTACGTAGCTTCCAAAAGTGCCAAACATACATAGCCACCATTCACA	867
782	Db		CCTCAATAGCTCTACGTAGCTTCCAAAAGTGCCAAACATACATAGCCACCATTCACA	841
868	Qy		CAGGGAACCAAAAGCATACCTGCTGGCAGCGGGGTCTATGCTGTATCTATATAAT	927
842	Db		CAGGGAACCAAAAGCATACCTGCTGGCAGCGGGGTCTATGCTGTATCTATATAAT	901
928	Qy		CTGTGCTGTATCTCTGATCTCTGGCGTGGCGGACAGAGAACCTTATGAAGCCACGA	987
902	Db		CTGTGCTGTATCTCTGATCTCTGGCGTGGCGGACAGAGAACCTTATGAAGCCACGA	961
988	Qy		GTCTGAGCCAAATCGCCTACCTTTCGGGGCCCTACGGCTGGTCAATGAGCCACGATACAT	1047
962	Db		GTCTGAGCCAAATCGCCTACCTTTCGGGGCCCTACGGCTGGTCAATGAGCCACGATACAT	1021
1048	Qy		CAAACTTATTACTGGCTTCTCTTTCACCTCCTTTGGCTTTCATGCTGTGGAGGGAACTT	1107
1022	Db		CAAACTTATTACTGGCTTCTCTTTCACCTCCTTTGGCTTTCATGCTGTGGAGGGAACTT	1081
1108	Qy		TGCTCTGTTTGGACCTTACACCTTGGGCTTCCCGAATGAATCCAGAACTACTCTCTGGC	1167
1082	Db		TGCTCTGTTTGGACCTTACACCTTGGGCTTCCCGAATGAATCCAGAACTACTCTCTGGC	1141
1168	Qy		CATCATGCTCTCGGCCACTTTAACCATTTCCCATCTGCGAGTGGTCTTTGACCGGTTTG	1227
1142	Db		CATCATGCTCTCGGCCACTTTAACCATTTCCCATCTGCGAGTGGTCTTTGACCGGTTTG	1201
1228	Qy		CAAGAAACAGCTGTATATGTTGGATCTCTCATCAGCAGTGCCCAATTTCTCATCTGTGGT	1287

D	b	1202	CAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCCAATTTCTCACTTGGTGGC	1267
Q	y	1288	CCTCATGGAGAGTAACCTCATATTACATATGGGTAGCTGTGGCAGCTGGCAATCAGTGT	1347
D	b	1262	CCTCATGGAGAGTAACCTCATATTACATATGGGTAGCTGTGGCAGCTGGCAATCAGTGT	1321
Q	y	1348	GGCAGCTGCCCTTCTTTACTACCTGGTCCATGCTGCCGTGATGTCAATGACGACATTCATCT	1407
D	b	1322	GGCAGCTGCCCTTCTTTACTACCTGGTCCATGCTGCCGTGATGTCAATGACGACATTCATCT	1381
Q	y	1408	GAACGAGCCCACTTCCATGGAACCGGAGCCCATCTTCTTCTCTCTCTATCTCTCTTCAC	1467
D	b	1382	GAACGAGCCCACTTCCATGGAACCGGAGCCCATCTTCTTCTCTCTCTATCTCTCTTCAC	1441
Q	y	1468	CAAGTTTGCCTCTGGAGTGTCACTGGGCATTTTACCCCTCAGTCTGGACATTTGCAGGGTA	1527
D	b	1442	CAAGTTTGCCTCTGGAGTGTCACTGGGCATTTTACCCCTCAGTCTGGACATTTGCAGGGTA	1501
Q	y	1528	CCACACCGTGGCTGCTCGCAGCGGAACCTGTCAAGTTTACACTGAACATGCTCCTGAC	1587
D	b	1502	CCACACCGTGGCTGCTCGCAGCGGAACCTGTCAAGTTTACACTGAACATGCTCCTGAC	1561
Q	y	1588	CATGGCTCCCATAGTTTCTCATCTGCTTGGCCCTGCTCTCTTCAAAATGTACCCCATTTGA	1647
D	b	1562	CATGGCTCCCATAGTTTCTCATCTGCTTGGCCCTGCTCTCTTCAAAATGTACCCCATTTGA	1621
Q	y	1648	TGAGGAGAGCGGGCGGACAGAAATAGAAGGCCCTGTCAGGCACTCAGGAGCAGGCCAGCAG	1707
D	b	1622	TGAGGAGAGCGGGCGGACAGAAATAGAAGGCCCTGTCAGGCACTCAGGAGCAGGCCAGCAG	1681
Q	y	1708	CTCTGGCTGCTCAGAAAACAGACTCCACAGAGCTGGCTAGCATCCTCTAGGGCCCGCCACG	1767
D	b	1682	CTCTGGCTGCTCAGAAAACAGACTCCACAGAGCTGGCTAGCATCCTCTAGGGCCCGCCACG	1741
Q	y	1768	TTGCCCCAAGCCACCATGCAAGAGGCCACAGAGGGATCAGGACCTGTCTGCGGGCTTGC	1827
D	b	1742	TTGCCCCAAGCCACCATGCAAGAGGCCACAGAGGGATCAGGACCTGTCTGCGGGCTTGC	1801
Q	y	1828	TGACACCTGGACTGCAAGTGTCTAGGAAGGGAACCTGAAGACTCAAGGAGTGGCCAGGA	1887
D	b	1802	TGACACCTGGACTGCAAGTGTCTAGGAAGGGAACCTGAAGACTCAAGGAGTGGCCAGGA	1861
Q	y	1888	CACTTGCTGTCTCACTGTGGGGCCGGCTGCTCTGTGGCTCCTGTGCTGCCCTTGCCTG	1947
D	b	1862	CACTTGCTGTCTCACTGTGGGGCCGGCTGCTCTGTGGCTCCTGTGCTGCCCTTGCCTG	1921
Q	y	1948	CCTGTGGGCCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGCTAG	2007
D	b	1922	CCTGTGGGCCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGCTAG	1981
Q	y	2008	CCCGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCCTAATTAATTAATGACTG	2067
D	b	1982	CCCGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCCTAATTAATTAATGACTG	2041
Q	y	2068	TGTACATAGCAATGTGTGTATGTATATGTCTGTGAGCTATTAAATGTTATTAAATTTCA	2127
D	b	2042	TGTACATAGCAATGTGTGTATGTATATGTCTGTGAGCTATTAAATGTTATTAAATTTCA	2101
Q	y	2128	TAAAGCTGGAAAGC 2142	
D	b	2102	TAAAGCTGGAAAGC 2116	
RESULT 17				
AAH15850				
ID	AAH15850 standard; cDNA; 1993 BP.			
XX				
AC	AAH15850;			
XX				
DT	26-JUN-2001 (first entry)			
XX				
DE	Human cDNA sequence SEQ ID NO:14353.			
XX				

KW Human; primer; detection; diagnosis; antisense therapy; gene therapy; ss.
 XX Homo sapiens.
 OS
 PN EP1074617-A2.
 XX
 PD 07-FEB-2001.
 XX
 PF 28-JUL-2000; 2000EP-0116126.
 XX
 PR 29-JUL-1999; 99JP-0248036.
 PR 27-AUG-1999; 99JP-0300253.
 PR 11-JAN-2000; 2000JP-0118776.
 PR 02-MAY-2000; 2000JP-0183767.
 PR 09-JUN-2000; 2000JP-0241899.
 XX
 XX (HELI-) HELIX RES INST.
 XX
 PI Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
 PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;
 XX
 DR WPI; 2001-318749/34.
 XX
 XX Primer sets for synthesizing polynucleotides, particularly the 5602
 PT full-length cDNAs defined in the specification, and for the detection
 PT and/or diagnosis of the abnormality of the proteins encoded by the
 PT full-length cDNAs -
 XX
 XX Claim 8; SEQ ID 14353; 2537pp + CD ROM; English.
 PS
 XX The present invention describes primer sets for synthesizing 5602
 CC full-length cDNAs defined in the specification. Where a primer set
 CC comprises: (a) an oligo-dr primer and an oligonucleotide complementary
 CC to the complementary strand of a polynucleotide which comprises one of
 CC the 5602 nucleotide sequences defined in the specification, where the
 CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination
 CC of an oligonucleotide comprising a sequence complementary to the
 CC complementary strand of a polynucleotide which comprises a 5'-end
 CC sequence and an oligonucleotide comprising a sequence complementary to a
 CC polynucleotide which comprises a 3'-end sequence, where the
 CC oligonucleotide comprises at least 15 nucleotides and the combination of
 CC the 5'-end sequence/3'-end sequence is selected from those defined in
 CC the specification. The primer sets can be used in antisense therapy and
 CC in gene therapy. The primers are useful for synthesizing polynucleotides,
 CC particularly full-length cDNAs. The primers are also useful for the
 CC detection and/or diagnosis of the abnormality of the proteins encoded by
 CC the full-length cDNAs. The primers allow obtaining of the full-length
 CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and
 CC AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to
 CC AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632
 CC represent oligonucleotides, all of which are used in the exemplification
 CC of the present invention.
 XX
 SQ Sequence 1993 BP; 408 A; 594 C; 525 G; 466 T; 0 other;

Query Match 77.9%; Score 1669; DB 22; Length 1993;
 Best Local Similarity 99.7%; Pred. No. 0;
 Matches 1989; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
 1
 77 TACGAACGAGCTGGGAGGAGCAGCGGCTCGGGGACAGAGGATCCCGTACCAG 136
 1 TACGAACGAGCTGGGAGGAGCAGCGGCTCGGGGACAGAGGATCCCGTACCAG 60
 137 GTCCCAACGCGGTGGCGCGGCTCATGGCCAAAGGAGAGGCGCGGAGCGGCTCCG 196
 61 GTCCCAACGCGGTGGCGCGGCTCATGGCCAAAGGAGAGGCGCGGAGCGGCTCCG 120
 197 CGGCGGGGTGCTACCCACACAGCATCTCCAAAGCACTGAACGCCGCCGAGGTGAAGA 256
 121 CGGCGGGGTGCTACCCACACAGCATCTCCAAAGCACTGAACGCCGCCGAGGTGAAGA 180
 257 AAGAACCGAAAGAAACACACAGTTGTCTGTTTGCACACAGCTTTGTATGCACCTTG 316

181 AAGAACCGAAAGAAACACACAGTTGTCTGTTTGCACACAGCTTTGTATGCACCTTG 240
 317 GGGAGCGCCCTACCAAGTGTACGGGCTGCGCCCTGGGTTTCTTCTTCCAGATCTACCTAT 376
 241 GGGAGCGCCCTACCAAGTGTACGGGCTGCGCCCTGGGTTTCTTCTTCCAGATCTACCTAT 300
 377 TGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCTCCATCATCTCTTTGTGGCGGAGGCT 436
 301 TGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCTCCATCATCTCTTTGTGGCGGAGGCT 360
 437 GGGATGCATCACAGACCCCTGCTGGGCGCTCTGCATCAGCAAAATCCCGCTGGACCTGCC 496
 361 GGGATGCATCACAGACCCCTGCTGGGCGCTCTGCATCAGCAAAATCCCGCTGGACCTGCC 420
 497 TGGGTGCGCTTATGCCCTGGATCATCTTCTCCACGCGCCCTGCGCGCTCATTCGCTACTTCC 556
 421 TGGGTGCGCTTATGCCCTGGATCATCTTCTCCACGCGCCCTGCGCGCTCATTCGCTACTTCC 480
 557 TCATCTGCTGCTGGTGGCGGCTTCCACACGCGCCAGACCTATTGGTACTGCTGTTTCTTATT 616
 481 TCATCTGCTGCTGGTGGCGGCTTCTCACAGCGCCAGACCTATTGGTACTGCTGTTTCTTATT 540
 617 GCCTCTTTGAAACAAATGGTCACTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTC 676
 541 GCCTCTTTGAAACAAATGGTCACTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTC 600
 677 TCAGCAACCGAGCAGACTGAGCGGATCTGCCACGCGCTTATCGGATGACTGTGGAAGTG 736
 601 TCAGC-ACCAGCAGACTGAGCGGATCTGCCACCGCTTATCGGATGACTGTGGAAGTG 659
 737 CTGGGACAGTGTGGGACGGGATCCAGGAGCAAAATCGTGGGCGGCGGCTTATGCTGTGT 796
 660 CTGGGACAGTGTGGGACGGGATCCAGGAGCAAAATCGTGGGCGGCGGCTTATGCTGTGT 719
 797 TGTTCAGGACTTCAATGACTCTACAGTACTTCAAAAGTGCACAAAGTGCACAAAGTGC 856
 720 TGTTCAGGACTTCAATGACTCTACAGTACTTCAAAAGTGCACAAAGTGCACAAAGTGC 779
 857 ACCACTTCACACAGGAGAAACGCAAAAGGATACCTGCTGGCAGCGGGGCTCATTTGTGT 916
 780 ACCACTTCACACAGGAGAAACGCAAAAGGATACCTGCTGGCAGCGGGGCTCATTTGTGT 839
 917 ATCTATATATCTGTGCTGCTATCTGATCTGCGGTGGGAGCAGAGAGAACCTTAT 976
 840 ATCTATATATCTGTGCTGCTATCTGATCTGCGGTGGGAGCAGAGAGAACCTTAT 899
 977 GAAGCCAGGAGCTGAGCAATCGCTACTTCCGGGCGCTTACGCGCTGCTCATGAGCCAC 1036
 900 GAAGCCAGGAGCTGAGCAATCGCTACTTCCGGGCGCTTACGCGCTGCTCATGAGCCAC 959
 1037 GGCCCATACATCAAACTTATTACTGGCTTCTCTTTCACCTGCTTGGCTTTTCATGCTGGTG 1096
 960 GGCCCATACATCAAACTTATTACTGGCTTCTCTTTCACCTGCTTGGCTTTTCATGCTGGTG 1019
 1097 GAGGGGAACCTTGTCTGTTTGTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAAAT 1156
 1020 GAGGGGAACCTTGTCTGTTTGTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAAAT 1079
 1157 CTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCATTCCTCATCTGCGAGTGGTCTCTTG 1216
 1080 CTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCATTCCTCATCTGCGAGTGGTCTCTTG 1139
 1217 ACCCGGTTTGGCAAGAACAGAGCTGTATATGTTGGGATCTCATCAGCAGTGCCTATTTCTC 1276
 1140 ACCCGGTTTGGCAAGAACAGAGCTGTATATGTTGGGATCTCATGAGCAGTGCCTATTTCTC 1199
 1277 ATCTTGTGGCCCTCATGAGAGTAACCTCATATATGAGTGGGTAGCTGTGGCAGCT 1336
 1200 ATCTTGTGGCCCTCATGAGAGTAACCTCATATATGAGTGGGTAGCTGTGGCAGCT 1259
 1337 GGCATAGTGGGAGCTGCTTCTTACTACCTGGTCCAGTGCCTGATGTCATTTGAC 1396
 1260 GGCATAGTGGGAGCTGCTTCTTACTACCTGGTCCAGTGCCTGATGTCATTTGAC 1319

QY 1397 GACTTCCATCTGAAGCAGCCCACTTCCATGGAACCCAGAGCCCATCTTCTCTCTCTAT 1456
 Db |||||||
 QY 1320 GACTTCCATCTGAAGCAGCCCACTTCCATGGAACCCAGAGCCCATCTTCTCTCTAT 1379
 Db |||||||
 QY 1457 GTCTTCTTCCACCAAGTTGGCTCTGGAGTGTCACTGGGCAATTTCTACCCCTCACTCTGGAC 1516
 Db |||||||
 QY 1380 GTCTTCTTCCACCAAGTTGGCTCTGGAGTGTCACTGGGCAATTTCTACCCCTCACTCTGGAC 1439
 Db |||||||
 QY 1517 TTGTCAGGGTACCAGACCCCTGGCTGCTCGACGCGGAAGTGTCAAGTTTACACTGAAC 1576
 Db |||||||
 QY 1440 TTGTCAGGGTACCAGACCCCTGGCTGCTCGACGCGGAAGTGTCAAGTTTACACTGAAC 1499
 Db |||||||
 QY 1577 ATGCTCTGTACCATGGCTCCATAGTTCTCATCTGCTGGGCTGTCTCTTCAAATG 1636
 Db |||||||
 QY 1500 ATGCTCTGTACCATGGCTCCATAGTTCTCATCTGCTGGGCTGTCTCTTCAAATG 1559
 Db |||||||
 QY 1637 TACCCCATTTGATGAGGAGCGCGGCGGAGAAATGAAGAGCCCTGCGAGGCACTGAGGAC 1696
 Db |||||||
 QY 1560 TACCCCATTTGATGAGGAGCGCGGCGGAGAAATGAAGAGCCCTGCGAGGCACTGAGGAC 1619
 Db |||||||
 QY 1697 GAGGCCAGAGCTCTGGCTCTCAGAAACAGACTCCACAGAGCTGCTAGCTCTCTAG 1756
 Db |||||||
 QY 1620 GAGGCCAGAGCTCTGGCTCTCAGAAACAGACTCCACAGAGCTGCTAGCTCTCTAG 1679
 Db |||||||
 QY 1757 GGCCCGCCAGCTTGGCCGAGCCACCATGCAGAGGCCACAGAGGATCAGGACTGTC 1816
 Db |||||||
 QY 1680 GGCCCGCCAGCTTGGCCGAGCCACCATGCAGAGGCCACAGAGGATCAGGACTGTC 1739
 Db |||||||
 QY 1817 TGCCCGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAAGGAACTGAAGACTCAAGGAG 1876
 Db |||||||
 QY 1740 TGCCCGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAAGGAACTGAAGACTCAAGGAG 1799
 Db |||||||
 QY 1877 GTGGCCCGCAGACACTTGTCTGCTCACTGTGGGCGGCTGTCTGTGGCTCTCTGCTCTC 1936
 Db |||||||
 QY 1800 GTGGCCCGCAGACACTTGTCTGCTCACTGTGGGCGGCTGTCTGTGGCTCTCTGCTCTC 1859
 Db |||||||
 QY 1937 CCCTCTGCTGCTGTGGGCGGCAAGCCCTGGGCTGCCACTGTGAATAGCCCAAGGACTG 1996
 Db |||||||
 QY 1860 CCCTCTGCTGCTGTGGGCGGCAAGCCCTGGGCTGCCACTGTGAATAGCCCAAGGACTG 1919
 Db |||||||
 QY 1997 ATCGGGCTTACCCCGGAGCACTTAATGTAGAAACCTTTTTTTACAGAGCTTAATTAATA 2056
 Db |||||||
 QY 1920 ATCGGGCTTACCCCGGAGCACTTAATGTAGAAACCTTTTTTTACAGAGCTTAATTAATA 1979
 Db |||||||
 QY 2057 CTTAATGACTGTGT 2070
 Db |||||||
 QY 1980 CTTAATGACTGTGT 1993
 Db |||||||

RESULT 18

AAF33221

ID AAF33221 standard; cDNA; 2150 BP.

XX

AC AAF33221;

XX

DT 23-MAR-2001 (first entry)

XX

DE Human secreted protein gene 9 SEQ ID NO:19.

XX

KW Human; secreted protein; diagnosis; immunomodulatory; antisclerotic;
 KW dermatological; immunosuppressive; antiinflammatory; anti-HIV;
 KW immunostimulant; cytostatic; cardiant; vascular; anti-angiogenic;
 KW ophthalmological; neuroprotectant; nootropic; anticonvulsant; vulnary;
 KW antialzheimers; antiparkinsonian; antimicrobial; immune disorder;
 KW multiple sclerosis; systemic lupus erythematosus; HIV; infection;
 KW hyperproliferative disorder; cancer; Gaucher's disease; wound healing;
 KW cardiovascular disease; Scimitar syndrome; Chaga's cardiomyopathy;
 KW coronary arteriosclerosis; angiogenic disorder; diabetic retinopathy;
 KW corneal graft neovascularisation; neurological disorder; regeneration;
 KW Huntington's chorea; Alzheimer's disease; Parkinson's disease;
 KW infectious disease; chemotaxis; ss.

XX

OS

XX Homo sapiens.

PN

XX WO200076530-A1.

XX

PD 21-DEC-2000.

XX

XX 01-JUN-2000; 2000WO-US14933.

PF

XX 11-JUN-1999; 99US-0138572.

XX

XX (HUMA-) HUMAN GENOME SCI INC.

PA

XX (ROSE/) ROSEN C A.

XX

XX Rosen CA, Ruben SM, Komatsoulis GA;

PI

XX WPI: 2001-071147/08.

XX

XX P-PSDB; AAB64890.

DR

XX Nucleic acids encoding 49 human secreted polypeptides, useful for

PT

XX preventing, diagnosing and/or treating e.g. cancers, Parkinson's

PT

XX disease and diabetic retinopathy -

PS

XX Claim 1; Page 456; 554pp; English.

XX

The polynucleotide sequences given in AAF33213 to AAF33261 encode the
 human secreted proteins given in AAB64882 to AAB64930. AAB64931 to
 AAB64991 represent human secreted polypeptide sequences and proteins
 homologous to them, which are given in the exemplification of the present
 invention. Human secreted proteins have activities based on the tissues
 and cells the genes are expressed in. Examples of activities include:
 immunomodulatory; antisclerotic; dermatological; immunosuppressive;
 antiinflammatory; anti-HIV; immunostimulant; cytostatic; cardiant;
 neuroprotectant; anticonvulsant; nootropic; ophthalmological;
 antiparkinsonian; and vulnary. The polynucleotides and polypeptides can
 be used in the prevention, diagnosis and treatment of diseases associated
 with inappropriate polypeptide expression. Disorders that may be
 prevented, diagnosed and/or treated by the above methods include immune
 disorders (e.g. multiple sclerosis, systemic lupus erythematosus and
 human immuno-deficiency virus (HIV) infections), hyperproliferative
 disorders (e.g. cancers and Gaucher's disease), cardiovascular diseases
 (e.g. Scimitar syndrome, Chaga's cardiomyopathy and coronary
 arteriosclerosis), angiogenic disorders (e.g. corneal graft
 neovascularisation and diabetic retinopathy), neurological disorders
 (e.g. Huntington's chorea, Alzheimer's disease and Parkinson's disease),
 infectious diseases and/or for promoting wound healing, regeneration and
 /or chemotaxis. AAF33204 to AAF33212 and AAB64881 represent sequences
 used in the exemplification of the present invention.

Sequence 2150 BP; 456 A; 622 C; 565 G; 502 T; 5 other;

Query Match

Best Local Similarity 70.8%; Score 1517; DB 22; Length 2150;

Matches 2077; Conservative 0; Mismatches 4; Indels 3; Gaps 3;

QY

59 GCGCGTGGCTAAGGCTGCTACGAGCGAGCTTGGAGAGAGAGCGGCTCGGGGCGAGAG 118

Db

47 GCGCGTGGCTAAGGCTGCTACGAGCGAGCTTGGAGAGAGAGCGGCTCGGGGCGAGAG 106

QY

119 GAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCGGGTTCATGGCCAAAGGAGAAG 178

Db

107 GAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCGGGTTCATGGCCAAAGGAGAAG 166

QY

179 GCGCGAGAGCGGCTCGCGCGGGGGTGTACCCACAGCATCTCTCCAAAGCACTGAAC 238

Db

167 GCGCGAGAGCGGCTCGCGCGGGGGTGTACCCACAGCATCTCTCCAAAGCACTGAAC 236

QY

239 GCGCGCGCCAGGTGAGAAAGAACCCGAAAGAGAAACAACTTCTGTGTTGCAACA 298

Db

227 GCGCGCGCCAGGTGAGAAAGAACCCGAAAGAGAAACAACTTCTGTGTTGCAACA 286

QY

299 AGCTTTGCTATGCACCTTGGGGGAGCCCTTACCAGGTGACGGGTCTGCGCTGGGTTCT 358

QY 2123 TTTTCAATAAAGCTGGAAGC 2142
Db 1538 TTTTCAATAAAGCTGGAAGC 1557

RESULT 20

AAK93381
ID AAK93381 standard; cDNA; 865 BP.

AC AAK93381;

XX 06-NOV-2001 (first entry)
XX

DE Human cDNA clone representative sequence, SEQ ID NO: 1841.
XX

XX Human; full length cDNA; cDNA synthesis; oligo-capping; ss.
XX

OS Homo sapiens.

PN EP1130094-A2.

XX 05-SEP-2001.

XX 07-JUL-2000; 2000EP-0114089.

XX 08-JUL-1999; 99JP-0194486.

XX 11-JAN-2000; 2000JP-0118774.

XX 02-MAY-2000; 2000JP-0183765.

XX (HELI-) HELIX RES INST.

XX Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;
XX
XX WPI: 2001-524255/58.

XX 830 Primers useful for synthesizing full length cDNA clones and their
PT use in genetic manipulation -
XX

XX Example 11; SEQ ID NO 1841; 1380pp + sequence listing; English.

XX The invention relates to primers for synthesising full length cDNA
CC clones. 830 cDNA molecules encoding a human protein have been
CC isolated and nucleotide sequences of 5'- and 3'-ends of the cDNA
CC molecules have been determined. Primers for synthesising the full length
CC cDNA are useful for clarifying the function of the protein encoded by
CC the cDNA. The full length clones were obtained by construction of full
CC length enriched cDNA libraries that were synthesised by the oligo-capping
CC method. The primers enable the production of the full length cDNA easily
CC without any special methods. The present sequence was used as the
CC representative sequence from a human clone which was used in
CC homology searches to identify the clone.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in CD-ROM format directly from EPO.

XX SQ Sequence 865 BP; 176 A; 263 C; 239 G; 182 T; 5 other;
Query Match 27.1%; Score 580; DB 22; Length 865;
Best Local Similarity 99.8%; Pred. No. 2.8e-265;
Matches 630; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 37 GCCGGCTTGCTAGCGCGCGCGCGCTGGCTAAGCTGTACGAGCGAGCTTGGGAGG 96
Db 18 GCCGGCTTGCTAGCGCGCGCGCGCTGGCTAAGCTGTACGAGCGAGCTTGGGAGG 77

QY 97 AGCAGCGCTTGGCGGCGCAGAGAGATCCCGTCTACAGGTCCCAAGCGCGGTGGCCCG 156
Db 78 AGCAGCGCTTGGCGGCGCAGAGAGATCCCGTCTACAGGTCCCAAGCGCGGTGGCCCG 137

QY 157 CGGGTCTATGCCAAGAGAGAGCGCGAGAGCGGCTCCCGCGGGGGCTGTACCCACC 216
Db 138 CGGGTCTATGCCAAGAGAGAGCGCGAGAGCGGCTCCCGCGGGGGCTGTACCCACC 197

QY 217 AGCATCCTCAAAGCACTGAACGCCGCGCCAGGTGAAGAAAGAACCCGAAAAAGAAA 276
Db 198 AGCACCTCCAAAGCACTGAACGCCGCGCCAGGTGAAGAAAGAACCCGAAAAAGAAA 257
QY 277 CAACAGTTGCTGTGTTGCAACAAGCTTTGCTATGCACTTGGGGAGGCCCTTACCAGGTG 336
Db 258 CAACAGTTGCTGTGTTGCAACAAGCTTTGCTATGCACTTGGGGAGGCCCTTACCAGGTG 317
QY 337 ACGGGCTGTGCCCTGGGTTCTTCCCTTCAGATCTACCTATTGGATGTGGCTCAGGTGGC 396
Db 318 ACGGGCTGTGCCCTGGGTTCTTCCCTTCAGATCTACCTATTGGATGTGGCTCAGGTGGC 377
QY 397 CCTTCTCTGCCCTCCATCATCTGTTTGTGGCGCGAGCTGGGATGCCATCACAGACCCC 456
Db 378 CCTTCTCTGCCCTCCATCATCTGTTTGTGGCGCGAGCTGGGATGCCATCACAGACCCC 437
QY 457 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCGCTGGTCCCTTATGCCCTGG 516
Db 438 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCGCTGGTCCCTTATGCCCTGG 497
QY 517 ATCATCTTCCACGCGCCCTGGCGCTCATTCCTCTACTTCTCATCTGTTGTCGCCGAC 576
Db 498 ATCATCTTCCACGCGCCCTGGCGCTCATTCCTCTACTTCTCATCTGTTGTCGCCGAC 557
QY 577 TTCCACACGCGCCAGACCTATTGGTACCTGCTTTTCTTATTTGCCCTCTTTGAAACAATGGTC 636
Db 558 TTCCACACGCGCCAGACCTATTGGTACCTGCTTTTCTTATTTGCCCTCTTTGAAACAATGGTC 617
QY 637 ACGTGTTCATGTTCCCTACTCGGCTCTCA 667
Db 618 ACGTGTTCATGTTCCCTACTCGGCTCTCA 648

RESULT 21

AAZ64948
ID AAZ64948 standard; cDNA; 571 BP.

XX AC AAZ64948;

XX 05-APR-2000 (first entry)
XX

XX Membrane-bound protein related sequence DNAL2920.

XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping; ss.

XX Homo sapiens.

OS W09963088-A2.

XX 09-DEC-1999.

XX 02-JUN-1999; 99WO-US12252.

XX 02-JUN-1998; 98US-0087607.

XX 02-JUN-1998; 98US-0087609.

XX 02-JUN-1998; 98US-0087759.

XX 03-JUN-1998; 98US-0087827.

XX 04-JUN-1998; 98US-0088021.

XX 04-JUN-1998; 98US-0088025.

XX 04-JUN-1998; 98US-0088028.

XX 04-JUN-1998; 98US-0088029.

XX 04-JUN-1998; 98US-0088030.

XX 04-JUN-1998; 98US-0088033.

XX 05-JUN-1998; 98US-0088167.

XX 05-JUN-1998; 98US-0088202.

XX 05-JUN-1998; 98US-0088212.

XX 05-JUN-1998; 98US-0088217.

XX 09-JUN-1998; 98US-0088655.

XX 10-JUN-1998; 98US-0088722.

XX 10-JUN-1998; 98US-0088730.

PR	10-JUN-1998;	98US-0088734.	PR	30-JUL-1998;	98US-0094651.
PR	10-JUN-1998;	98US-0088738.	PR	04-AUG-1998;	98US-0095282.
PR	10-JUN-1998;	98US-0088740.	PR	04-AUG-1998;	98US-0095285.
PR	10-JUN-1998;	98US-0088741.	PR	04-AUG-1998;	98US-0095301.
PR	10-JUN-1998;	98US-0088742.	PR	04-AUG-1998;	98US-0095302.
PR	10-JUN-1998;	98US-0088810.	PR	04-AUG-1998;	98US-0095318.
PR	10-JUN-1998;	98US-0088811.	PR	04-AUG-1998;	98US-0095321.
PR	10-JUN-1998;	98US-0088824.	PR	04-AUG-1998;	98US-0095325.
PR	10-JUN-1998;	98US-0088825.	PR	10-AUG-1998;	98US-0095916.
PR	10-JUN-1998;	98US-0088826.	PR	10-AUG-1998;	98US-0095929.
PR	11-JUN-1998;	98US-0088858.	PR	10-AUG-1998;	98US-0096012.
PR	11-JUN-1998;	98US-0088861.	PR	11-AUG-1998;	98US-0096143.
PR	11-JUN-1998;	98US-0088863.	PR	11-AUG-1998;	98US-0096146.
PR	11-JUN-1998;	98US-0088866.	PR	12-AUG-1998;	98US-0096329.
PR	12-JUN-1998;	98US-0089090.	PR	17-AUG-1998;	98US-0096757.
PR	12-JUN-1998;	98US-0089105.	PR	17-AUG-1998;	98US-0096766.
PR	16-JUN-1998;	98US-0089440.	PR	17-AUG-1998;	98US-0096768.
PR	16-JUN-1998;	98US-0089512.	PR	17-AUG-1998;	98US-0096773.
PR	16-JUN-1998;	98US-0089514.	PR	17-AUG-1998;	98US-0096791.
PR	17-JUN-1998;	98US-0089532.	PR	17-AUG-1998;	98US-0096867.
PR	17-JUN-1998;	98US-0089538.	PR	17-AUG-1998;	98US-0096891.
PR	17-JUN-1998;	98US-0089598.	PR	17-AUG-1998;	98US-0096894.
PR	17-JUN-1998;	98US-0089599.	PR	17-AUG-1998;	98US-0096895.
PR	17-JUN-1998;	98US-0089600.	PR	17-AUG-1998;	98US-0096897.
PR	17-JUN-1998;	98US-0089653.	PR	18-AUG-1998;	98US-0096949.
PR	18-JUN-1998;	98US-0089801.	PR	18-AUG-1998;	98US-0096950.
PR	18-JUN-1998;	98US-0089907.	PR	18-AUG-1998;	98US-0096959.
PR	18-JUN-1998;	98US-0089908.	PR	18-AUG-1998;	98US-0096960.
PR	19-JUN-1998;	98US-0089947.	PR	18-AUG-1998;	98US-0097022.
PR	19-JUN-1998;	98US-0089948.	PR	19-AUG-1998;	98US-0097141.
PR	19-JUN-1998;	98US-0089952.	PR	20-AUG-1998;	98US-0097218.
PR	22-JUN-1998;	98US-0090246.	PR	24-AUG-1998;	98US-0097661.
PR	22-JUN-1998;	98US-0090252.	PR	26-AUG-1998;	98US-0097951.
PR	22-JUN-1998;	98US-0090254.	PR	26-AUG-1998;	98US-0097952.
PR	23-JUN-1998;	98US-0090349.	PR	26-AUG-1998;	98US-0097954.
PR	23-JUN-1998;	98US-0090355.	PR	26-AUG-1998;	98US-0097955.
PR	24-JUN-1998;	98US-0090429.	PR	26-AUG-1998;	98US-0097971.
PR	24-JUN-1998;	98US-0090431.	PR	26-AUG-1998;	98US-0097974.
PR	24-JUN-1998;	98US-0090435.	PR	26-AUG-1998;	98US-0097978.
PR	24-JUN-1998;	98US-0090444.	PR	26-AUG-1998;	98US-0097979.
PR	24-JUN-1998;	98US-0090445.	PR	26-AUG-1998;	98US-0097986.
PR	24-JUN-1998;	98US-0090461.	PR	26-AUG-1998;	98US-0098014.
PR	24-JUN-1998;	98US-0090472.	PR	31-AUG-1998;	98US-0098525.
PR	24-JUN-1998;	98US-0090535.	PR	16-SEP-1998;	98US-0100634.
PR	24-JUN-1998;	98US-0090538.	PR	12-JAN-1999;	99US-0115565.
PR	24-JUN-1998;	98US-0090540.	XX	(GETH) GENENTECH INC.	
PR	24-JUN-1998;	98US-0090557.	XX	Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;	
PR	25-JUN-1998;	98US-0090678.	PI	Wood WI, Yuan J;	
PR	25-JUN-1998;	98US-0090688.	XX	WPI; 2000-072883/06.	
PR	25-JUN-1998;	98US-0090690.	XX	Membrane-bound proteins and related nucleotide sequences -	
PR	25-JUN-1998;	98US-0090691.	XX	Examples; Fig 13; 822pp; English.	
PR	25-JUN-1998;	98US-0090694.	XX	The invention provides membrane-bound PRO polypeptides and	
PR	25-JUN-1998;	98US-0090695.	XX	polynucleotides encoding them. The PRO sequences of the invention were	
PR	25-JUN-1998;	98US-0090696.	XX	identified based on extracellular domain homology screening. The PRO	
PR	26-JUN-1998;	98US-0090862.	XX	sequences have homology with proteins including LDL receptors, TIE	
PR	02-JUL-1998;	98US-0091478.	XX	ligands and various enzymes. The membrane-bound proteins and receptor	
PR	02-JUL-1998;	98US-0091486.	XX	molecules are useful as pharmaceutical and diagnostic agents. Receptor	
PR	02-JUL-1998;	98US-0091519.	XX	immunoadhesins, for instance, can be used as therapeutic agents to block	
PR	02-JUL-1998;	98US-0091628.	XX	receptor-ligand interactions. The membrane-bound proteins can also be	
PR	02-JUL-1998;	98US-0091628.	XX	employed for screening of potential peptide or small molecule inhibitors	
PR	02-JUL-1998;	98US-0091633.	XX	of the relevant receptor/ligand interaction. The PRO encoding sequences	
PR	02-JUL-1998;	98US-0091646.	XX	are useful as hybridization probes, in chromosome and gene mapping and in	
PR	02-JUL-1998;	98US-0091673.	XX	the generation of antisense RNA and DNA. PRO nucleic acid sequences	
PR	07-JUL-1998;	98US-0091978.	XX	will also be useful for the preparation of PRO polypeptides, especially	
PR	07-JUL-1998;	98US-0091984.	XX	by recombinant techniques.	
PR	09-JUL-1998;	98US-0092182.	XX	Sequence 571 BP; 116 A; 162 C; 139 G; 154 T; 0 other;	
PR	10-JUL-1998;	98US-0092472.	XX		
PR	20-JUL-1998;	98US-0093339.	XX		

Query Match 26.7%; Score 571; DB 21; Length 571;
Best Local Similarity 100.0%; Pred. No. 5.4e-261;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 870 GGAAACGCAAAAGGCATACCTCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 929
DB 1 GGGAAACGCAAAAGGCATACCTCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 60

QY 930 GTCTGTCTATCTGATCTGGCGCTGGCGAGCAGAGAACCTATGAAGCCACGAGT 989
DB 61 GTCTGTCTATCTGATCTGGCGCTGGCGAGCAGAGAACCTATGAAGCCACGAGT 120

QY 990 CTGAGCCAATCGCCTACTTCCGGGGCTAGCGCTGTCATGAGCCACGCCCATACATCA 1049
DB 121 CTGAGCCAATCGCCTACTTCCGGGGCTAGCGCTGTCATGAGCCACGCCCATACATCA 180

QY 1050 AACTTATTACTGCTTCCCTCTTCCACCTCTTGGCTTTCATGCTGGTGGAGGGAACCTTG 1109
DB 181 AACTTATTACTGCTTCCCTCTTCCACCTCTTGGCTTTCATGCTGGTGGAGGGAACCTTG 240

QY 1110 TCTTGTCTTTCACCTACCTCTGGGCTTCGCAATGAATCCAGAACTCTACTCTGCGCA 1169
DB 241 TCTTGTCTTTCACCTACCTCTGGGCTTCGCAATGAATCCAGAACTCTACTCTGCGCA 300

QY 1170 TCATGCTCTCGGCACCTTTAAACCATCCCATCTGGCAGTGGTCTTTCACCCGGTTGGCA 1229
DB 301 TCATGCTCTCGGCACCTTTAAACCATCCCATCTGGCAGTGGTCTTTCACCCGGTTGGCA 360

QY 1230 AGAAGACAGTGTATGTTGGATCTCATCAGCAGTGCATCTTCACTTGGTGCC 1289
DB 361 AGAAGACAGTGTATGTTGGATCTCATCAGCAGTGCATCTTCACTTGGTGCC 420

QY 1290 TCATGGAGAGTAACCTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 1349
DB 421 TCATGGAGAGTAACCTCATATACATATGCGGTAGCTGTGGCAGCTGGCATCAGTGTGG 480

QY 1350 CAGCTGCTTCTTACTACCTGTGTCATGCTGCTGATGTCATGAGCACTTCCATCTGA 1409
DB 481 CAGCTGCTTCTTACTACCTGTGTCATGCTGCTGATGTCATGAGCACTTCCATCTGA 540

QY 1410 AGCAGCCCCACTTCCATGGAAACGAGCCCAT 1440
DB 541 AGCAGCCCCACTTCCATGGAAACGAGCCCAT 571

RESULT 22

AAF44094
ID AAF44094 standard; cDNA; 571 BP.

AC AAF44094;

XX 02-APR-2001 (first entry)

XX Human EST DNA12920 nucleotide sequence SEQ ID NO:21.

XX Human; secreted and transmembrane protein; PRO; cytosstatic;
cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
diagnostic assay; ss.

OS Homo sapiens.

PN WO200073454-A1.

XX 07-DEC-2000.

XX 30-MAR-2000; 2000WO-US08439.

XX 02-JUN-1999; 99WO-US12252.

PR 23-JUN-1999; 99US-0141037.

PR 07-JUL-1999; 99US-0143048.

PR 20-JUL-1999; 99US-0144758.

PR 26-JUL-1999; 99US-0145698.

PR 28-JUL-1999; 99US-0146222.
PR 17-AUG-1999; 99US-0149396.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 08-OCT-1999; 99US-0158663.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 02-MAR-2000; 2000WO-US05004.
PR 15-MAR-2000; 2000WO-US05841.
PR 20-MAR-2000; 2000WO-US06884.
XX 20-MAR-2000; 2000WO-US07377.
XX (GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Kijavlin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX WPI; 2001-032160/04.

XX PRO polynucleotides used to produce polypeptides used to target
PT bioactive molecules such as toxins, radiolabels or antibodies, to
PT specific cells, to cause targeted cell death -
XX Example 8; Fig 13; 935pp; English.

XX The present invention describes human secreted and transmembrane PRO
CC proteins. The PRO proteins have cytosstatic activity. The PRO proteins
CC can be used for targeted delivery of bioactive molecules, such as
CC toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide
CC sequences, and their fragments, can be used as hybridisation probes, in
CC chromosomal and gene mapping, and in the generation of anti-sense RNA
CC and DNA. They may also be used to produce transgenic animals which are
CC used to develop and screen therapeutically useful reagents. The PRO
CC nucleotide and protein sequence can be used for tissue typing and in
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.
CC AAF44270 to AAF44470 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAF44087 to AAF44269 and
CC AAF65154 to AAF65300 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.

XX Sequence 571 BP; 116 A; 162 C; 139 G; 154 T; 0 other;

XX Query Match 26.7%; Score 571; DB 22; Length 571;
XX Best Local Similarity 100.0%; Pred. No. 5.4e-261;
XX Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 870 GGGAAACGCAAAAGGCATACCTCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 929
DB 1 GGGAAACGCAAAAGGCATACCTCTGGCAGCGGGGTCATTGCTGTATCTATATAATCT 60

QY 930 GTCTGTCTATCTGATCTGGCGCTGGCGAGCAGAGAACCTATGAAGCCACGAGT 989
DB 61 GTCTGTCTATCTGATCTGGCGCTGGCGAGCAGAGAACCTATGAAGCCACGAGT 120

QY 990 CTGAGCCAATCGCCTACTTCCGGGGCTAGCGCTGTCATGAGCCACGCCCATACATCA 1049
DB 121 CTGAGCCAATCGCCTACTTCCGGGGCTAGCGCTGTCATGAGCCACGCCCATACATCA 180

QY 1050 AACTTATTACTGCTTCCCTCTTCCACCTCTTGGCTTTCATGCTGGTGGAGGGAACCTTG 1109
DB 181 AACTTATTACTGCTTCCCTCTTCCACCTCTTGGCTTTCATGCTGGTGGAGGGAACCTTG 240

```
QY 1110 TCCTGTTTGCACCTACACCTTGGCTTCGCAATGAATCCAGAAATCTACTCTCTGGCCA 1169
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RESULT 23
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ID ABX80121 standard; DNA; 571 BP.
AC ABX80121;
DT
DE 28-APR-2003 (first entry)
DE Novel human secreted or transmembrane protein related DNAL12920.
XX
KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis; gene; ds.
XX
OS Homo sapiens.
XX
PN US2002132252-A1.
XX
PD 19-SEP-2002.
XX
PF 14-NOV-2001; 2001US-0990442.
XX
XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 12-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 06-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
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PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
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PR 23-AUG-2000; 2000WO-US23522.
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PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-066770P.
PR 25-FEB-1998; 98US-075945P.
PR 25-FEB-1998; 98US-078910P.
PR 20-MAR-1998; 98US-083322P.
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PR 02-JUN-1998; 98US-087759P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
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PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
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PR 28-AUG-2001; 2001US-0941992.
XX (GETH) GENENTECH INC.
PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrera N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX Grimaldi JC, Gurney AL, Kijavlin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX Zhang Z;
XX WPI; 2003-247083/24.
XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
XX and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
XX are therapeutically useful for enhancing immune response and in cancer
XX treatments.
XX Example 8; Fig 13; 648pp; English.
XX The invention describes an isolated human PRO polypeptide. The PRO
XX polypeptides are useful in detecting PRO polypeptides in a sample, in
XX linking a bioactive molecule to a cell expressing a PRO polypeptide, and
XX in modulating at least one biological activity of a cell expressing a PRO
XX polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
XX useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
XX stimulate adrenal cortical capillary endothelial growth, and PRO536,
XX PRO943, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
XX PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
XX useful for treating conditions or disorders where angiogenesis would be
XX beneficial, e.g. wound healing and antagonist of this polypeptide are
XX useful for treating cancerous tumours. PRO812 inhibits vascular
XX endothelial growth factor (VEGF) stimulated proliferation of endothelial
XX cells and is thus useful for inhibiting endothelial cell growth in
XX mammals which would be beneficial in inhibiting tumour growth. PRO826,
XX PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
XX stimulated T-lymphocytes and are therapeutically useful for enhancing
XX immune response. PRO826, PRO1068 or PRO1132 enhance survival of
XX retinal neurons cells (PRO1132 is also enhances survival/proliferation of
XX rod photoreceptor cells) and therefore are useful for treating retinal
XX disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
XX and PRO1066 induce proliferation of mammalian kidney mesangial cells,
XX and therefore are useful for treating kidney disorders associated with
XX decreased mesangial cell function such as Berger disease or other
XX nephropathies associated with dermatitis, herpetiformis or Crohn's
XX disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
XX proliferation and/or redifferentiation of chondrocytes in culture and
XX are thus useful for treating sports injuries, and arthritis. This
XX sequence represents a novel human PRO protein polynucleotide.
XX Sequence 571 BP; 116 A; 162 C; 139 G; 154 T; 0 other;
XX

Query Match 26.7%; Score 571; DB 25; Length 571;
Best Local Similarity 100.0%; Pred. No. 5.4e-261;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 930 GTCTGTATCTTCCTGCTGGGGTGGGGAGAGAGAGAACCCATATGAAGCCAGAGT 989
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QY 990 CTGAGCAATCGCTACTTCCGGGGCTACGGCTGCTCATGACCCAGCCATACATCA 1049
DB 121 CTGAGCAATCGCTACTTCCGGGGCTACGGCTGCTCATGACCCAGCCATACATCA 180
QY 1050 AACTTATCTGCTTCTCTTCCACCTCTTCTGCTTCTGCTGGTGGAGGGAACCTTG 1109
DB 181 AACTTATCTGCTTCTCTTCCACCTCTTCTGCTTCTGCTGGTGGAGGGAACCTTG 240
QY 1110 TCTGTGTTTGCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCCTGCCA 1169
DB

DB 241 TCTTGTGTTTGCACCTACACCTTGGGCTTCGCAATGAATTCAGAAATCTACTCCTGCCA 300
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QY 1410 AGCAGCCCCACTTCCATGGAACCGAGCCCAT 1440
DB 541 AGCAGCCCCACTTCCATGGAACCGAGCCCAT 571
RESULT 24
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XX AC ABX80625;
XX DT 22-APR-2003 (first entry)
XX DE Human secreted/transmembrane protein cDNA, #8.
XX DE Human; gene: ss; PRO; secreted; transmembrane; pharmaceutical;
XX KW diagnostic; biosensor; bioreactor; tumour; therapeutic;
XX KW gene therapy; tumour-associated antigenic target; TAT; ADEPT;
XX KW antibody-dependent enzyme mediated prodrug therapy; cytostatic.
XX OS Homo sapiens.
XX PN US2003027162-A1.
XX PD 06-FEB-2003.
XX 15-NOV-2001; 2001US-0997428.
XX 05-NOV-1997; 97WO-US20069.
XX 16-SEP-1998; 98WO-US19330.
XX 17-SEP-1998; 98WO-US19437.
XX 07-OCT-1998; 98WO-US21141.
XX 01-DEC-1998; 98WO-US25108.
XX 05-JAN-1999; 99WO-US00106.
XX 08-MAR-1999; 99WO-US05028.
XX 02-JUN-1999; 99WO-US12252.
XX 15-SEP-1999; 99WO-US21090.
XX 30-NOV-1999; 99WO-US28313.
XX 01-DEC-1999; 99WO-US28301.
XX 01-DEC-1999; 99WO-US28634.
XX 16-DEC-1999; 99WO-US30095.
XX 20-DEC-1999; 99WO-US30911.
XX 06-JAN-2000; 2000WO-US00219.
XX 11-FEB-2000; 2000WO-US03565.
XX 18-FEB-2000; 2000WO-US04341.
XX 22-FEB-2000; 2000WO-US04914.
XX 24-FEB-2000; 2000WO-US05004.
XX 02-MAR-2000; 2000WO-US05841.
XX 10-MAR-2000; 2000WO-US06319.
XX 15-MAR-2000; 2000WO-US06884.
XX 30-MAR-2000; 2000WO-US07377.
XX 30-MAR-2000; 2000WO-US08439.

PR	15-MAY-2000;	2000WO-US13358.	PR	24-JUN-1998;	98US-090429P.
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PR	19-JUN-1998;	98US-089947P.	PR	26-AUG-1998;	98US-097952P.
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PR	25-JUN-1998;	98US-090695P.			
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PR	02-JUL-1998;	98US-091478P.			
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PR	04-AUG-1998;	98US-095318P.			

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Db	1	GGGAAACGAAAGGCATACCTGCTGGCAGCGGGGGTCAATTCGTGTATCTATATATCT	60
QY	930	GTGCTGTCTATCTGATCCTGGCGTGAGAGAGAACCCCTATGAAGCCAGCAGT	989
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QY	990	CTGAGCCCAATGCCTTACTTCCGGGCGCTACGGCTGGTTCATGAGCCAGCCCATACATCA	1049
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QY	1110	TCCTGTTTGGCACTACACCTTGGGCTTCCGCAATGAATCCAGAACTACTCTCTGGCCA	1169
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QY	1230	AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCATTTCTCATCTTGGTGGCC	1289
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QY	1290	TCATGGAGAGTAACCTCATCATATACATATGCGGTAGCTGTGGCAGCTGCATCATGTGG	1349
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QY	1350	CAGCTGCCCTTCTACTACCTCGTCCATCGCTGCCTGATCATTTGACGAGCTTCCATCTGA	1409

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PR	24-JUN-1998;	98US-090557P.
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PR	25-JUN-1998;	98US-090678P.
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PR	25-JUN-1998;	98US-090694P.
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PR	26-JUN-1998;	98US-090862P.
PR	26-JUN-1998;	98US-090863P.
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PR	11-AUG-1998;	98US-096146P.
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PR	18-AUG-1998;	98US-096959P.
PR	18-AUG-1998;	98US-096960P.
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PR	26-AUG-1998;	98US-097955P.
PR	26-AUG-1998;	98US-097971P.
PR	26-AUG-1998;	98US-097974P.
PR	26-AUG-1998;	98US-097978P.
PR	26-AUG-1998;	98US-097979P.
PR	26-AUG-1998;	98US-097986P.
PR	26-AUG-1998;	98US-098014P.
PR	31-AUG-1998;	98US-098525P.
PR	16-SEP-1998;	98US-100634P.
PR	17-SEP-1998;	98US-100858P.
PR	22-DEC-1998;	98US-113296P.
PR	12-MAR-1999;	99US-123957P.
PR	23-JUN-1999;	99US-141037P.
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Query Match 26.7%; Score 571; DB 25; Length 571;		
Best Local Similarity 100.0%; Pred. No. 5.4e-261;		
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy	870	GGGAAAGCAAAAGGCATACCTGCTGGCAGCGGGGTCATTTGCTGTATCTATATAATCT 929
Db	1	GGGAAAGCAAAAGGCATACCTGCTGGCAGCGGGGTCATTTGCTGTATCTATATAATCT 60
Qy	930	GTGCTGTATCTCTGATCTCTGGCGTGGGGAGCAGAGAACCCCTATGAAGCCAGAGT 989
Db	61	GTGCTGTATCTCTGATCTCTGGCGTGGGGAGCAGAGAACCCCTATGAAGCCAGAGT 120
Qy	990	CTGAGCCAATCGCCTACTTCCGGGCGCTACGGCTGGTCATGAGCAGCGGCCATACATCA 1049
Db	121	CTGAGCCAATCGCCTACTTCCGGGCGCTACGGCTGGTCATGAGCAGCGGCCATACATCA 180
Qy	1050	AACCTATTACTGGGCTTCTCTTACCTTCCTTGGCTTTTCATGCTGGTGAGGGGAACITTG 1109
Db	181	AACCTATTACTGGGCTTCTCTTACCTTCCTTGGCTTTTCATGCTGGTGAGGGGAACITTG 240
Qy	1110	TCTTGTGTTTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAACTACTCTCTGGCCA 1169
Db	241	TCTTGTGTTTGACCTACACCTTGGGCTTCCGCAATGAATTCAGAACTACTCTCTGGCCA 300
Qy	1170	TCATGCTCTCGGCCACTTTAAACCATTCGCCAGTGGTTCTTGACCGGTTTGSCA 1229
Db	301	TCATGCTCTCGGCCACTTTAAACCATTCGCCAGTGGTTCTTGACCGGTTTGSCA 360
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QY 1350 CAGCTGCCTTCTTACTACCTGGTGCATGCTGCCCTGATGTCATTCAGCAGCTTCCATCTGA 1409

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QY 1410 AGCAGCCCCACATTCATCGAAGCCGAGCCCAT 1440

Db 541 AGCAGCCCCACATTCATCGAAGCCGAGCCCAT 571

RESULT 28

ABX79305

ID ABX79305 standard; cDNA; 571 BP.

XX AC ABX79305;

DT 17-APR-2003 (first entry)

DE Human secreted/transmembrane protein cDNA, #8.

XX Human; gene; ss; PRO; secreted; transmembrane; signal peptide;

KW Pharmaceutical; diagnostic; biosensor; bioreactor; tumour; therapeutic;

KW colon cancer; lung cancer; breast cancer;cancer; gene therapy.

OS Homo sapiens.

XX PN US2002142961-A1.

XX PD 03-OCT-2002.

XX PF 19-NOV-2001; 2001US-0989721.

XX 05-NOV-1997; 97WO-US20069.

PR 17-SEP-1998; 98WO-US19437.

PR 07-OCT-1998; 98WO-US21141.

PR 01-DEC-1998; 98WO-US25108.

PR 05-JAN-1999; 99WO-US00106.

PR 08-MAR-1999; 99WO-US05028.

PR 02-JUN-1999; 99WO-US12252.

PR 15-SEP-1999; 99WO-US21090.

PR 05-SEP-1999; 99WO-US21547.

PR 30-NOV-1999; 99WO-US28313.

PR 01-DEC-1999; 99WO-US28301.

PR 16-DEC-1999; 99WO-US28634.

PR 20-DEC-1999; 99WO-US30911.

PR 05-JAN-2000; 2000WO-US00219.

PR 06-JAN-2000; 2000WO-US00376.

PR 11-FEB-2000; 2000WO-US03565.

PR 18-FEB-2000; 2000WO-US04341.

PR 22-FEB-2000; 2000WO-US04414.

PR 24-FEB-2000; 2000WO-US04914.

PR 24-FEB-2000; 2000WO-US05004.

PR 02-MAR-2000; 2000WO-US05941.

PR 10-MAR-2000; 2000WO-US06319.

PR 15-MAR-2000; 2000WO-US06884.

PR 20-MAR-2000; 2000WO-US07377.

PR 30-MAR-2000; 2000WO-US08439.

PR 15-MAY-2000; 2000WO-US13358.

PR 17-MAY-2000; 2000WO-US13705.

PR 22-MAY-2000; 2000WO-US14042.

PR 30-MAY-2000; 2000WO-US14941.

PR 02-JUN-2000; 2000WO-US15264.

PR 28-JUL-2000; 2000WO-US20710.

PR 11-AUG-2000; 2000WO-US22031.

PR 23-AUG-2000; 2000WO-US23522.

PR 24-AUG-2000; 2000WO-US23328.

PR 08-NOV-2000; 2000WO-US30952.

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PR 28-FEB-2001; 2001WO-US06520.

PR 01-JUN-2001; 2001WO-US17800.

PR 20-JUN-2001; 2001WO-US19692.

PR 29-JUN-2001; 2001WO-US21066.

PR 09-JUL-2001; 2001WO-US21735.

PR 16-JUN-1997; 97US-049787P.

PR 17-OCT-1997; 97US-062250P.

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PR 24-NOV-1997; 97US-066770P.

PR 25-FEB-1998; 98US-075945P.

PR 20-MAR-1998; 98US-078910P.

PR 28-APR-1998; 98US-083322P.

PR 07-MAY-1998; 98US-084600P.

PR 28-MAY-1998; 98US-087106P.

PR 02-JUN-1998; 98US-087607P.

PR 02-JUN-1998; 98US-087609P.

PR 02-JUN-1998; 98US-087759P.

PR 03-JUN-1998; 98US-087827P.

PR 04-JUN-1998; 98US-088021P.

PR 04-JUN-1998; 98US-088026P.

PR 04-JUN-1998; 98US-088028P.

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PR 04-JUN-1998; 98US-088030P.

PR 04-JUN-1998; 98US-088033P.

PR 04-JUN-1998; 98US-088326P.

PR 05-JUN-1998; 98US-088167P.

PR 05-JUN-1998; 98US-088202P.

PR 05-JUN-1998; 98US-088212P.

PR 05-JUN-1998; 98US-088217P.

PR 09-JUN-1998; 98US-088655P.

PR 10-JUN-1998; 98US-088734P.

PR 10-JUN-1998; 98US-088738P.

PR 10-JUN-1998; 98US-088742P.

PR 10-JUN-1998; 98US-088810P.

PR 10-JUN-1998; 98US-088824P.

PR 10-JUN-1998; 98US-088826P.

PR 11-JUN-1998; 98US-088858P.

PR 11-JUN-1998; 98US-088861P.

PR 11-JUN-1998; 98US-088876P.

PR 12-JUN-1998; 98US-089105P.

PR 16-JUN-1998; 98US-089440P.

PR 16-JUN-1998; 98US-089512P.

PR 16-JUN-1998; 98US-089514P.

PR 17-JUN-1998; 98US-089532P.

PR 17-JUN-1998; 98US-089538P.

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PR 17-JUN-1998; 98US-089600P.

PR 17-JUN-1998; 98US-089653P.

PR 18-JUN-1998; 98US-089801P.

PR 18-JUN-1998; 98US-089907P.

PR 18-JUN-1998; 98US-089908P.

PR 28-AUG-2001; 2001US-0941992.

XX (GETH) GENENTECH INC.

PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;

XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;

PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;

PI Zhang Z;

XX WPI; 2003-155950/15.

DR New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,

XX PRO361 or PRO846) useful as targets for therapeutic intervention in

PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers

PT -

XX Disclosure; Fig 13; 647pp; English.

PS

XX The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful as pharmaceuticals, diagnostics,
CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, goats or
CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
CC colon, lung or breast cancers) and diagnostic determination of the
CC presence of these cancers. The PRO polypeptides are also useful as
CC molecular weight markers or for chromosome identification. The PRO genes
CC are useful as hybridisation probes or for screening libraries of human
CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
CC therapy, particularly for replacing a defective gene. The sequences
CC presented in ABX79290-ABX79675 are the genes encoding, the primers
CC amplifying and the probes detecting the PRO polynucleotides of the
CC invention.
CC Note: The sequence data for this patent is also available in electronic
CC format from USPTO at seqdata.uspto.gov/sequence.html.
XX
XX Sequence 571 BP; 116 A; 162 C; 139 G; 154 T; 0 other;

Query Match 26.7%; Score 571; DB 25; Length 571;
Best Local Similarity 100.0%; Pred. No. 5.4e-261;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
870 GGGNAAGCAAAAGGCATACCTGCTGGCAGCGGGGTCATGCTGTATCATATATCT 929
1 GGGNAAGCAAAAGGCATACCTGCTGGCAGCGGGGTCATGCTGTATCATATATCT 60
930 GTGCTGTCATCCTGATCCTGGCGCTGGCGGAGAGAGAACCCATGAAGCCAGCAGT 989
61 GTGCTGTCATCCTGATCCTGGCGCTGGCGGAGAGAGAACCCATGAAGCCAGCAGT 120
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421 TCATGAGAGTAACCTCATCATATACATATGCGGTAGCTGGGAGCTGGCATCATCTGG 480
1350 CAGTGGCTTCTTACTACCTGGTCCATGCTGCCTGATGTCATGAGCAGCTTCCATCTGA 1409
481 CAGTGGCTTCTTACTACCTGGTCCATGCTGCCTGATGTCATGAGCAGCTTCCATCTGA 540
1410 AGCAGCCCCACTTCCATGAGCCAGCCCAT 1440
541 AGCAGCCCCACTTCCATGAGCCAGCCCAT 571

RESULT 29
ABX63944
ID ABX63944 standard; cDNA; 571 BP.

XX AC ABX63944;
XX DT 26-FEB-2003 (first entry)
XX DE Human PRO cDNA clone DNA12920.
XX KW Human; PRO polypeptide; secreted protein; transmembrane protein;
XX KW genetic disorder; antibacterial; immunosuppressive; transgenic;
XX KW gene therapy; ss.
XX OS Homo sapiens.
XX SS US2002103125-A1.
XX PD 01-AUG-2002.
XX PF 20-NOV-2001; 2001US-0989731.
XX PR 05-NOV-1997; 97WO-US20069.
XX PR 16-SEP-1998; 98WO-US19330.
XX PR 17-SEP-1998; 98WO-US19437.
XX PR 07-OCT-1998; 98WO-US21141.
XX PR 01-DEC-1998; 98WO-US25108.
XX PR 05-JAN-1999; 99WO-US00106.
XX PR 08-MAR-1999; 99WO-US05028.
XX PR 02-JUN-1999; 99WO-US12252.
XX PR 15-SEP-1999; 99WO-US21090.
XX PR 15-SEP-1999; 99WO-US21547.
XX PR 30-NOV-1999; 99WO-US28313.
XX PR 01-DEC-1999; 99WO-US28301.
XX PR 01-DEC-1999; 99WO-US28634.
XX PR 16-DEC-1999; 99WO-US30095.
XX PR 20-DEC-1999; 99WO-US30911.
XX PR 06-JAN-2000; 2000WO-US00219.
XX PR 06-JAN-2000; 2000WO-US00376.
XX PR 11-FEB-2000; 2000WO-US03565.
XX PR 18-FEB-2000; 2000WO-US04341.
XX PR 22-FEB-2000; 2000WO-US0414.
XX PR 24-FEB-2000; 2000WO-US04914.
XX PR 24-FEB-2000; 2000WO-US05004.
XX PR 02-MAR-2000; 2000WO-US05841.
XX PR 10-MAR-2000; 2000WO-US06319.
XX PR 15-MAR-2000; 2000WO-US06884.
XX PR 20-MAR-2000; 2000WO-US07377.
XX PR 30-MAR-2000; 2000WO-US08439.
XX PR 15-MAY-2000; 2000WO-US13358.
XX PR 17-MAY-2000; 2000WO-US13705.
XX PR 22-MAY-2000; 2000WO-US14042.
XX PR 02-JUN-2000; 2000WO-US14941.
XX PR 28-JUL-2000; 2000WO-US20710.
XX PR 11-AUG-2000; 2000WO-US22031.
XX PR 23-AUG-2000; 2000WO-US23522.
XX PR 24-AUG-2000; 2000WO-US23328.
XX PR 08-NOV-2000; 2000WO-US30952.
XX PR 01-DEC-2000; 2000WO-US32678.
XX PR 28-FEB-2001; 2001WO-US06520.
XX PR 01-JUN-2001; 2001WO-US17800.
XX PR 20-JUN-2001; 2001WO-US19692.
XX PR 29-JUN-2001; 2001WO-US21066.
XX PR 09-JUL-2001; 2001WO-US21735.
XX PR 16-JUN-1997; 97US-049787P.
XX PR 17-OCT-1997; 97US-062250P.
XX PR 12-NOV-1997; 97US-065186P.
XX PR 13-NOV-1997; 97US-065311P.
XX PR 24-NOV-1997; 97US-066770P.
XX PR 25-FEB-1998; 98US-075945P.
XX PR 20-MAR-1998; 98US-078910P.
XX PR 28-APR-1998; 98US-083322P.
XX PR 07-MAY-1998; 98US-084600P.
XX PR 28-MAY-1998; 98US-087108P.
XX PR 02-JUN-1998; 98US-087607P.

XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 30-NOV-1999; 99WO-US21547.
PR 01-DEC-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28634.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 06-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 02-MAR-2000; 2000WO-US05004.
PR 10-MAR-2000; 2000WO-US05841.
PR 15-MAR-2000; 2000WO-US06319.
PR 20-MAR-2000; 2000WO-US06884.
PR 30-MAR-2000; 2000WO-US07377.
PR 15-MAY-2000; 2000WO-US08439.
PR 17-MAY-2000; 2000WO-US13358.
PR 22-MAY-2000; 2000WO-US13705.
PR 30-MAY-2000; 2000WO-US14042.
PR 02-JUN-2000; 2000WO-US14941.
PR 28-JUL-2000; 2000WO-US15264.
PR 11-AUG-2000; 2000WO-US20710.
PR 23-AUG-2000; 2000WO-US22031.
PR 24-AUG-2000; 2000WO-US23522.
PR 08-NOV-2000; 2000WO-US32328.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-065710P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 02-JUN-1998; 98US-087759P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 28-AUG-2001; 2001US-0941992.
XX
XX (GETH) GENENTECH INC.
PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2003-066810/06.
XX
XX Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers
XX
PS Example 8; Fig 13; 655pp; English.
XX
XX The invention relates to a secreted and transmembrane polypeptide, termed
CC PRO polypeptide, and the polynucleotide encoding it. The polypeptide is
CC useful for detecting PRO polypeptides and for linking a bioactive
CC molecule to a cell expressing the above polypeptides, where the bioactive
CC molecule is a toxin, radiolabel or an antibody. The bioactive material
CC causes the death of the cell. The polypeptide is useful for identifying
CC agonists or antagonists of the PRO polypeptide, for preparing variants of
CC PRO, as a molecular weight marker for protein electrophoresis purposes
CC and the PRO polynucleotide is useful for recombinantly expressing those
CC markers. The polynucleotide is also useful as a hybridisation probe, in
CC chromosome and gene mapping, in generation of antisense RNA and DNA, in
CC the preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, to construct hybridisation
CC probes for mapping the gene which encodes PRO and for the genetic
CC analysis of individuals with genetic disorders, in gene therapy, for
CC chromosome identification, as a chromosome marker and for generating
CC probes for PCR, Northern analysis, Southern analysis and Western
CC analysis. This sequence represents a human PRO polynucleotide of the
CC invention.
XX
SQ Sequence 571 BP; 116 A; 162 C; 139 G; 154 T; 0 other;
Query Match 26.7%; Score 571; DB 25; Length 571;
Best Local Similarity 100.0%; Pred. No. 5.4e-261;
Matches 571; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 870 GGGAAACGCAAAAGCATACCTGCTGGCAGCGGGGGTCATTGTCTGTATCTATATAATCT 929
Db 1 GGGAAACGCAAAAGCATACCTGCTGGCAGCGGGGGTCATTGTCTGTATCTATATAATCT 60
QY 930 GTGCTGTATCTGTATCTGTGGCGGTCAGAGAGAACCTTATGAGCCGACGAGT 989
Db 61 GTGCTGTATCTGTATCTGTGGCGGTCAGAGAGAACCTTATGAGCCGACGAGT 120

990 CTGAGCAATCGCTTCTCCGGGCGCTACGGCTGGTGCATGAGCCACGGCCCATACATCA 1049
121 CTGAGCAATCGCTTCTCCGGGCGCTACGGCTGGTGCATGAGCCACGGCCCATACATCA 180
1050 AACTTATTACTGGCTTCTTCCAGTCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 1109
181 AACTTATTACTGGCTTCTTCCAGTCTCTTGGCTTTTCATGCTGGTGGAGGGAACCTTG 240
1110 TCTTGTGTTTGGCACTACACCTTGGGCTTCCGCAATGAATTCAGAAATCTACTCTCGGCCA 1169
241 TCTTGTGTTTGGCACTACACCTTGGGCTTCCGCAATGAATTCAGAAATCTACTCTCGGCCA 300
1170 TCATGCTCTGGCCACTTTAAACATTCACATCTGCAGTGGTCTTGGACCGGTTTGCA 1229
301 TCATGCTCTGGCCACTTTAAACATTCACATCTGCAGTGGTCTTGGACCGGTTTGCA 360
1230 AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCATTTCTCAFTCTTGGTGGCC 1289
361 AGAAGACAGCTGTATATGTTGGATCTCATCAGCAGTGCATTTCTCAFTCTTGGTGGCC 420
1290 TCATGAGAGTAACCTTCATCATATACATATGCGGTAGCTGTGGCAGTGCATCAGTGTGG 1349
421 TCATGAGAGTAACCTTCATCATATACATATGCGGTAGCTGTGGCAGTGCATCAGTGTGG 480
1350 CAGCTGCTTCTTACTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1409
481 CAGCTGCTTCTTACTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
1410 AGCAGCCCCACTTCCATGGAACCGAGGCCAT 1440
541 AGCAGCCCCACTTCCATGGAACCGAGGCCAT 571

RESULT 31
AAH05438
ID AAH05438 standard; cdna; 804 BP.
AC AAH05438;
XX
XX
26-JUN-2001 (first entry)
XX
XX
Human cdna clone (5'-primer) SEQ ID NO:2273.
XX
Human; primer; detection; diagnosis; antisense therapy; gene therapy; ss.
XX
Homo sapiens.
XX
EP1074617-A2.
XX
07-FEB-2001.
XX
28-JUL-2000; 2000EP-0116126.
XX
29-JUL-1999; 95JP-0248036.
PR 27-AUG-1999; 95JP-0300253.
PR 11-JAN-2000; 2000JP-0118776.
PR 02-MAY-2000; 2000JP-0183767.
PR 09-JUN-2000; 2000JP-0241899.
XX
XX
(HELI-) HELIX RES INST.
XX
Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;
XX
WPI; 2001-318749/34.
DR
XX
Primer sets for synthesizing polynucleotides, particularly the 5602
full-length cdnas defined in the specification, and for the detection
and/or diagnosis of the abnormality of the proteins encoded by the
full-length cdnas -
XX
Claim 1; SEQ ID 2273; 2537pp + CD ROM; English.
XX

CC The present invention describes primer sets for synthesizing 5602
CC full-length cdnas defined in the specification. Where a primer set
CC comprises: (a) an oligo-3T primer and an oligonucleotide complementary
CC to the complementary strand of a polynucleotide which comprises one of
CC the 5602 nucleotide sequences defined in the specification, where the
CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination
CC of an oligonucleotide comprising a sequence complementary to the
CC complementary strand of a polynucleotide which comprises a 5'-end
CC sequence and an oligonucleotide comprising a sequence complementary to a
CC polynucleotide which comprises a 3'-end sequence, where the
CC oligonucleotide comprises at least 15 nucleotides and the combination of
CC the 5'-end sequence/3'-end sequence is selected from those defined in
CC the specification. The primer sets can be used in antisense therapy and
CC in gene therapy. The primers are useful for synthesizing polynucleotides,
CC particularly full-length cdnas. The primers are also useful for the
CC detection and/or diagnosis of the abnormality of the proteins encoded by
CC the full-length cdnas. The primers allow obtaining of the full-length
CC cdnas easily without any specialised methods. AAH03166 to AAH13628 and
CC AAH13633 to AAH18742 represent human cdna sequences; AAH92446 to
CC AAH95893 represent human amino acid sequences; and AAH13629 to AAH13632
CC represent oligonucleotides, all of which are used in the exemplification
CC of the present invention.
XX
SQ Sequence 804 BP; 168 A; 246 C; 217 G; 169 T; 4 other;

Query Match 25.98; Score 555; DB 22; Length 804;
Best Local Similarity 99.8%; Pred. No. 2.2e-253;
Matches 605; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 77 TACGAAGCGAGCTTGGGAGGAGCAGCGGCTTGGGGGCGAGAGGAGCATCCGCTTACCAG 136
Db 1 TACGAAGCGAGCTTGGGAGGAGCAGCGGCTTGGGGGCGAGAGGAGCATCCGCTTACCAG 60
QY 137 GTCCCAAGCGGCTGGCCCGGCTCATGGCCAAAGAGAGGCGCGGAGAGGCGGCTCCG 196
Db 61 GTCCCAAGCGGCTGGCCCGGCTCATGGCCAAAGAGAGGCGCGGAGAGGCGGCTCCG 120
QY 197 CGGGGGGCTGTACCCACAGCATCTCCAAAGACTGAACGCCCGGCGGAGGAGGAGG 256
Db 121 CGGGGGGCTGTACCCACAGCATCTCCAAAGACTGAACGCCCGGCGGAGGAGGAGG 180
QY 257 AGAACCCGAAAGAGAAACAAAGTGTCTGTTTGCACAAAGCTTTGCTATGCACTTG 316
Db 181 AGAACCCGAAAGAGAAACAAAGTGTCTGTTTGCACAAAGCTTTGCTATGCACTTG 240
QY 317 GGGGAGCCCTTACACAGGTGACGGGCTGTGCCCTGGGTTTCTTCTCAGATCTACCTAT 376
Db 241 GGGGAGCCCTTACACAGGTGACGGGCTGTGCCCTGGGTTTCTTCTCAGATCTACCTAT 300
QY 377 TGGATGTGGCTCAGGTGGGCGCTTCTGCTCATCATCTGTTTGTGGCGCGAGCCT 436
Db 301 TGGATGTGGCTCAGGTGGGCGCTTCTGCTCATCATCTGTTTGTGGCGCGAGCCT 360
QY 437 GGGATGCCATCACAGACCCCTTGGTGGGCGCTTGCATCAGCAATCCCTTGGACCTGCC 496
Db 361 GGGATGCCATCACAGACCCCTTGGTGGGCGCTTGCATCAGCAATCCCTTGGACCTGCC 420
QY 497 TGGGTGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTTGGCGGCTCATTTGCCTACTTCC 556
Db 421 TGGGTGCGCTTATGCCCTGGATCATCTTCTCCAGCCCTTGGCGGCTCATTTGCCTACTTCC 480
QY 557 TCATCTGGTTCGTCGCCGACTTCCGACAGCGGCGAGACCTATTTGGTACCTGCTTTTCTATT 616
Db 481 TCATCTGGTTCGTCGCCGACTTCCGACAGCGGCGAGACCTATTTGGTACCTGCTTTTCTATT 540
QY 617 GCCTCTTTGAACAATGGTCAGTGTTCATGTTCCCTACTCGGCTCTCAGCATGTTTCA 676
Db 541 GCCTCTTTGAACAATGGTCAGTGTTCATGTTCCCTACTCGGCTCTCAGCATGTTTCA 600
QY 677 TCAGCA 682
Db 601 TCAGCA 606


```
RESULT 32
AAK92231
ID AAK92231 standard; cDNA; 780 BP.
AC AAK92231;
XX
XX
XX 06-NOV-2001 (first entry)
XX Human cDNA 5'-end sequence, SEQ ID NO: 691.
XX
XX Human; full length cDNA; cDNA synthesis; oligo-capping; ss.
XX
XX Homo sapiens.
XX EP1130094-A2.
XX
XX 05-SEP-2001.
XX
XX 07-JUL-2000; 2000EP-0114089.
XX
XX 08-JUL-1999; 99JP-0194486.
XX 11-JAN-2000; 2000JP-0118774.
XX 02-MAY-2000; 2000JP-0183765.
XX
XX (HELI-) HELIX RES INST.
XX
XX Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
XX Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;
XX
XX WPI; 2001-524255/58.
XX
XX 830 Primers useful for synthesizing full length cDNA clones and their
XX use in genetic manipulation -
XX
XX Claim 2; SEQ ID NO 691; 1380pp + sequence listing; English.
XX
XX The invention relates to primers for synthesizing full length cDNA
XX clones. 830 cDNA molecules encoding a human protein have been
XX isolated and nucleotide sequences of 5'- and 3'-ends of the cDNA
XX molecules have been determined. Primers for synthesizing the full length
XX cDNA are useful for clarifying the function of the protein encoded by
XX the cDNA. The full length clones were obtained by construction of full
XX length enriched cDNA libraries that were synthesised by the oligo-capping
XX method. The primers enable the production of the full length cDNA easily
XX without any special methods. The present sequence is the nucleotide
XX sequence of the 5'-end of a cDNA provided in the invention.
XX Note: The sequence data for this patent did not form part of the printed
XX specification, but was obtained in CD-ROM format directly from EPO.
XX
XX SQ Sequence 780 BP; 145 A; 240 C; 222 G; 168 T; 5 other;
XX
XX Query Match 25.4%; Score 544; DB 22; Length 780;
XX Best Local Similarity 99.7%; Pred. No. 3.7e-248;
XX Matches 644; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 37 GCCGGTGTGCTAGCGCGCGCGCGCGCTAGCGTGTGCTAGCGAGCGAGCTGGGAGG 96
DB 24 GCCGGTGTGCTAGCGCGCGCGCGCGCTAGCGTGTGCTAGCGAGCGAGCTGGGAGG 83
QY 97 AGCAGCGGCTGCGGGGCGAGAGAGATCCCGTCTACAGGTCCCAAGCGGCGTGGCCCG 156
DB 84 AGCAGCGGCTGCGGGGCGAGAGAGATCCCGTCTACAGGTCCCAAGCGGCGTGGCCCG 143
QY 157 CGGGTCATGCCAAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGGTGTACCCACC 216
DB 144 CGGGTCATGCCAAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGGTGTACCCACC 203
QY 217 AGCATCCTCAAGAGCACTGAACCGCGCGCGAGGTGAAGAAAGAACCCGAAAGAGAAA 276
DB 204 AGCATCCTCAAGAGCACTGAACCGCGCGCGAGGTGAAGAAAGAACCCGAAAGAGAAA 283
QY 277 CAACAGTGTGCTGTTTGAACAAAGCTTGTGATGCACTTTGGGGGAGGCCCTACCAGGTG 336
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Db 264 CAACAGTGTGCTGTTTGAACAAAGCTTGTGATGCACTTGGGGAGGCCCTACCAGGTG 323
QY 337 ACGGGCTGTGCGCTGGGTTTCTTCCCTCAGATCTACCTATTGATGTGGCTCAGGTGGC 396
DB 324 ACGGGCTGTGCGCTGGGTTTCTTCCCTCAGATCTACCTATTGATGTGGCTCANGTGGC 383
QY 397 CTTTCTCTGCGCTCCCATCATCTCTGTTTGTGGCGGAGCCCTGGATGCCATCAGAGACCC 456
DB 384 CTTTCTCTGCGCTCCCATCATCTCTGTTTGTGGCGGAGCCCTGGATGCCATCAGAGACCC 443
QY 457 CTGGTGGGCTCTGCAATCAGCAAAATCCCTCGACCTGCTGGTGGCTTATGCCCTGG 516
DB 444 CTGGTGGGCTCTGCAATCAGCAAAATCCCTCGACCTGCTGGTGGCTTATGCCCTGG 503
QY 517 ATCATCTTCTCCACGCGCCCTGGCGGCTCATTTGCTACTTCTCTCATCTGTTGCTGCCGAC 576
DB 504 ATCATCTTCTCCACGCGCCCTGGCGGCTCATTTGCTACTTCTCTCATCTGTTGCTGCCGAC 563
QY 577 TTCCACACGCGCGAGACCTATTGCTACTGCTCTTTCTATTGCTCTTTGAAACAATGGTC 636
DB 564 TTCCACACGCGCGAGACCTATTGCTACTGCTCTTTCTATTGCTCTTTGAAACAATGGTC 623
QY 637 ACCTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 682
DB 624 ACCTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 669

RESULT 33
AAH10660/c
ID AAH10660 standard; cDNA; 544 BP.
XX
XX AC AAH10660;
XX
XX 26-JUN-2001 (first entry)
XX
XX Human cDNA clone (3'-primer) SEQ ID NO:7495.
XX
XX Human; primer; detection; diagnosis; antisense therapy; gene therapy; ss.
XX
XX Homo sapiens.
XX EP1074617-A2.
XX
XX 07-FEB-2001.
XX
XX 28-JUL-2000; 2000EP-0116126.
XX
XX 29-JUL-1999; 99JP-0248036.
XX 27-AUG-1999; 99JP-0300253.
XX 11-JAN-2000; 2000JP-0118776.
XX 02-MAY-2000; 2000JP-0183767.
XX 09-JUN-2000; 2000JP-0241899.
XX
XX (HELI-) HELIX RES INST.
XX
XX Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
XX Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Olsuki T;
XX
XX WPI; 2001-318749/34.
XX
XX Primer sets for synthesizing polynucleotides, particularly the 5602
XX full-length cDNAs defined in the specification, and for the detection
XX and/or diagnosis of the abnormality of the proteins encoded by the
XX full-length cDNAs -
XX
XX Claim 3; SEQ ID 7495; 2537pp + CD ROM; English.
XX
XX The present invention describes primer sets for synthesising 5602
XX full-length cDNAs defined in the specification. Where a primer set
XX comprises: (a) an oligo-dr primer and an oligonucleotide complementary
XX to the complementary strand of a polynucleotide which comprises one of
XX the 5602 nucleotide sequences defined in the specification, where the
```

CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination
CC of an oligonucleotide comprising a sequence complementary to the
CC complementary strand of a polynucleotide which comprises a 5'-end
CC sequence and an oligonucleotide comprising a sequence complementary to a
CC polynucleotide which comprises a 3'-end sequence, where the
CC oligonucleotide comprises at least 15 nucleotides and the combination of
CC the 5'-end sequence/3'-end sequence is selected from those defined in
CC the specification. The primer sets can be used in antisense therapy and
CC in gene therapy. The primers are useful for synthesising polynucleotides,
CC particularly full-length cDNAs. The primers are also useful for the
CC detection and/or diagnosis of the abnormality of the proteins encoded by
CC the full-length cDNAs. The primers allow obtaining of the full-length
CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and
CC AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to
CC AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632
CC represent oligonucleotides, all of which are used in the exemplification
CC of the present invention.

XX Sequence 544 BP; 111 A; 155 C; 152 G; 119 T; 7 other;

Query Match 23.3%; Score 500; DB 22; Length 544;
Best Local Similarity 100.0%; Pred. No. 3.1e-227; Indels 0; Gaps 0;
Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1571 CTGAACATGCTCGTGACCATGGCTCCCATAGTTCTTCATCTCTGGGCTCTCTCTTC 1630
DB 500 CTGAACATGCTCGTGACCATGGCTCCCATAGTTCTTCATCTCTGGGCTCTCTCTTC 441
QY 1631 AAAATGTACCCATTTGATGAGAGAGCGGGGCGGAGATAGAGAGCCCTCAGGCACTG 1690
DB 440 AAAATGTACCCATTTGATGAGAGAGCGGGGCGGAGATAGAGAGCCCTCAGGCACTG 381
QY 1691 AGGGAGGAGGCGAGAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGTAGCATC 1750
DB 380 AGGGAGGAGGCGAGAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGTAGCATC 321
QY 1751 CTCCTAGGCGCGCCAGCTGTTGCCAGGACCATGACGAGAGCCACAGAGGATCAGGA 1810
DB 320 CTCCTAGGCGCGCCAGCTGTTGCCAGGACCATGACGAGAGCCACAGAGGATCAGGA 261
QY 1811 CCTGCTCGCGGCTTCTGACGAGCTGGAGTGTCTAGGAGGGAACCTGAAGACTC 1870
DB 260 CTTGCTCGCGGCTTCTGACGAGCTGGAGTGTCTAGGAGGGAACCTGAAGACTC 201
QY 1871 AAGGAGTGGCCAGGACACTTGTCTGCTACTGTGGGCGGCTGTCTGTGGCTCC 1930
DB 200 AAGGAGTGGCCAGGACACTTGTCTGCTACTGTGGGCGGCTGTCTGTGGCTCC 141
QY 1931 TGGCTCCCTCTGCTGCTGTGGGCGGCAAGCCCTGGGCTGCCACTGTGAATATGCCAA 1990
DB 140 TGGCTCCCTCTGCTGCTGTGGGCGGCAAGCCCTGGGCTGCCACTGTGAATATGCCAA 81
QY 1991 GGACTGATCGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTTTTACAGAGCTAAT 2050
DB 80 GGACTGATCGGGCTAGCCCGGAGACACTAATGTAGAAACCTTTTTTTACAGAGCTAAT 21
QY 2051 TAATAACTTTAATGACTGTGT 2070
DB 20 TAATAACTTTAATGACTGTGT 1

RESULT 34
ABN97410/C
ID ABN97410 standard; DNA; 347 BP.
XX
XX AC ABN97410;
XX
XX DT 13-AUG-2002 (first entry)
XX
XX DE Gene #3908 used to diagnose liver cancer.
XX
XX KW Gene; liver cancer; ds; hepatocellular carcinoma; hepatotropic;
KW metastatic liver tumour; cytostatic; expression profile; disease state;

XX disease progression; drug toxicity; drug efficacy; drug metabolism.
XX Homo sapiens.
XX WO200229103-A2.
XX 11-APR-2002.
XX 02-OCT-2001; 2001WO-US30539.
XX 02-OCT-2000; 2000US-237054P.
XX (GENE-) GENE LOGIC INC.
XX Horne D, Alvares C, Peres-Da-Silva S, Vockley JG;
XX WPI; 2002-426119/45.
XX Diagnosing and detecting the progression of liver cancer,
XX hepatocellular carcinoma or metastatic liver tumor in a patient,
XX involves detecting the level of expression of two or more genes in a
XX liver tissue sample -
XX Claim 1; SEQ ID NO 3908; 298pp; English.
XX The invention relates to a novel method for diagnosing and detecting the
XX progression of liver cancer, hepatocellular carcinoma or metastatic liver
XX tumour in a patient, and differentiating metastatic liver cancer from
XX hepatocellular carcinoma in a patient, involving detecting the level of
XX expression of two or more genes represented in ABN93503-ABN97455 in a
XX tissue sample. The method of the invention has hepatotropic, and
XX cytostatic activity. The method is useful for diagnosing and detecting
XX the progression of liver cancer, hepatocellular carcinoma and metastatic
XX liver carcinoma in a patient. The method is useful for identifying
XX expression profiles which serve as useful diagnostic markers as well as
XX markers that can be used to monitor disease states, disease progression,
XX drug toxicity, drug efficacy and drug metabolism.
XX Note: The sequence data for this patent did not form part of the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences.

Sequence 347 BP; 90 A; 97 C; 79 G; 80 T; 1 other;
Query Match 11.4%; Score 245; DB 24; Length 347;
Best Local Similarity 99.4%; Pred. No. 5.4e-106;
Matches 345; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1796 CAGAAGGGATCAGGACCTGTCTGCCGCTTGTCTGAGCAGCTGGACTGCTAGGAA 1855
DB 347 CAGAAGGGATCAGGACCTGTCTGCCGCTTGTCTGAGCAGCTGGACTGCTAGGAA 288
QY 1856 GGGAACTGAAGACTCAGGAGGTGGCCAGGACACTTGTCTGCTACTGTGGGCGCGGC 1915
DB 287 GGGAACTGAAGACTCAGGAGGTGGCCAGGACACTTGTCTGCTACTGTGGGCGCGGC 228
QY 1916 TGCTCTGTGGCTCTCTGCTCCCTCTGCTGCTGCTGGGCCAAGCCCTGGGCTGCCA 1975
DB 227 TGCTCTGTGGCTCTCTGCTCCCTCTGCTGCTGCTGGGCCAAGCCCTGGGCTGCCA 168
QY 1976 CTGTGAATATGCCAAGGACTGATCGGGCTAGCCCGGGAACACTAATGTAGAAACCTTTT 2035
DB 167 CTGTGAATATGCCAAGGACTGANTGGGCTAGCCCGGGAACACTAATGTAGAAACCTTTT 108
QY 2036 TTACAGAGCCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2095
DB 107 TTACAGAGCCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 48
QY 2096 TGCTCTGTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2142
DB 47 TGCTCTGTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1

RESULT 35

Db 140 CGGTCATCGCCAAAGGAGAGCGCGGAGAGCGGCTCCGCGGGGCTGTACCCACC 199
QY 217 AGCATCCTCCAAAGCACTGAACGCCCGCGCCAGGTGAAG 255
|||||
Db 200 AGCATCCTCCAAAGCACTGAACGCCCGCGCCAGGTGAAG 238
|||||
RESULT 38
AAK92982/c
ID AAK92982 standard; cDNA; 601 BP.
XX
AC AAK92982;
XX
DT 06-NOV-2001 (first entry)
XX
DE Human cDNA 3'-end sequence, SEQ ID NO: 1442.
XX
KW Human; full length cDNA; cDNA synthesis; oligo-capping; ss.
XX
OS Homo sapiens.
XX
PN EP1130094-A2.
XX
PD 05-SEP-2001.
XX
PF 07-JUL-2000; 2000EP-0114089.
XX
PR 08-JUL-1999; 99JP-0194486.
PR 11-JAN-2000; 2000JP-0118774.
PR 02-MAY-2000; 2000JP-0183765.
XX
PA (HELI-) HELIX RES INST.
XX
PI Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;
XX WPI; 2001-524255/58.
DR
XX 830 Primers useful for synthesizing full length cDNA clones and their
PT use in genetic manipulation -
XX
XX Claim 3; SEQ ID NO 1442; 1380pp + sequence listing; English.
XX
CC The invention relates to primers for synthesising full length cDNA
CC clones. 830 cDNA molecules encoding a human protein have been
CC isolated and nucleotide sequences of 5'- and 3'-ends of the cDNA
CC molecules have been determined. Primers for synthesising the full length
CC cDNA are useful for clarifying the function of the protein encoded by
CC the cDNA. The full length clones were obtained by construction of full
CC length enriched cDNA libraries that were synthesised by the oligo-capping
CC method. The primers enable the production of the full length cDNA easily
CC without any special methods. The present sequence is the nucleotide
CC sequence of the 3'-end of a cDNA provided in the invention.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in CD-ROM format directly from EPO.
XX
SQ Sequence 601 BP; 148 A; 165 C; 129 G; 144 T; 15 other;
Query Match 3.7%; Score 80; DB 22; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.5e-27;
Matches 80; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2058 TTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCTGTGAGCTATTAAATGTTA 2117
|||||
Db 80 TTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCTGTGAGCTATTAAATGTTA 21
|||||
QY 2118 TTAATTTTCATAAAAGCTGG 2137
|||||
Db 20 TTAATTTTCATAAAAGCTGG 1
|||||
RESULT 39
AAT21468

ID AAT21468 standard; cDNA to mRNA; 154 BP.
XX
AC AAT21468;
XX
DT 29-AUG-1996 (first entry)
XX
DE Human gene signature HUMGS02838.
XX
KW Gene signature; messenger RNA; mRNA; relative abundance; frequency;
KW human; cloning; mapping; non-biased library; diagnosis; detection;
KW cell typing; abnormal cell function; ss.
XX
OS Homo sapiens.
XX
PN WO9514772-A1.
XX
PD 01-JUN-1995.
XX
PF 11-NOV-1994; 94WO-JP01916.
XX
PR 12-NOV-1993; 93JP-0355504.
XX
PA (MATS/) MATSUBARA K.
PA (OKUBO/) OKUBO K.
XX
PI Matsubara K, Okubo K;
XX WPI; 1995-206931/27.
DR
XX Identifying gene signatures in 3'-directed human cDNA library - e.g.
PT for diagnosis of abnormal cell function, by preparing cDNA that
PT reflects relative abundance of corresp. mRNA in specific human
PT tissues
XX
PS Claim 1; Page 893; 2245pp; Japanese.
XX
CC A single-stranded DNA (or its complementary strand or the corresp.
CC double-stranded DNA) which comprises one of the 7837 "GS" sequences
CC given in AAT19001-726837 and which is able to hybridise to part of
CC human genomic DNA, cDNA or mRNA is claimed. The GS (Gene Signature)
CC sequences were obtained from 3'-directed cDNA libraries prepared
CC from various human tissues; synthesis of cDNA was initiated from the
CC 3'-end of mRNA by using poly(T) as the sole primer. Since the 3'-
CC untranslated sequence is unique to a particular mRNA species, almost
CC all the 3'-oriented cDNAs hybridise with specific mRNAs. Each library
CC is constructed so as to reflect accurately the relative abundance of
CC different mRNAs in the particular tissue from which it was derived.
CC The appearance frequency of a given GS in a cDNA library can be
CC determined (esp. using primers and probes derived from the GS
CC sequences) as a means of diagnosing abnormal cell function or for
CC recognising different cell types.
XX
SQ Sequence 154 BP; 50 A; 24 C; 29 G; 50 T; 1 other;
Query Match 3.7%; Score 79; DB 16; Length 154;
Best Local Similarity 99.2%; Pred. No. 4.6e-27;
Matches 129; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 2013 AACACTAATCTAGAAACCTTTTTCACAGAGCCTAATTAATGACTGTCTAC 2072
|||||
Db 19 AACACTAATCTAGAAACCTTTTTCACAGAGCCTAATTAATGACTGTCTAC 78
|||||
QY 2073 ATAGCAATGTGTGTGTATGTATGTCTGTGAGCTATTATGTTTATTTTCATAAA 2132
|||||
Db 79 ATAGCAATGTGTGTGTATGTATGTCTGTGAGCTATTATGTTTATTTTCATAAA 138
|||||
QY 2133 GCTGGAAGC 2142
|||||
Db 139 GCTGGAAGC 148
|||||
RESULT 40
AAT178786/c

DE	Human CDNA encoding NAAP21, Incyte 2314637CBI.	DE	XX	Human; ss; gene; nucleic acid-associated protein; NAAP; gene therapy;
XX		XX	XX	microarray; proliferative disorder; developmental disorder;
XX		XX	KW	cardiovascular disorder; atherosclerosis; bursitis; cirrhosis; hepatitis;
XX		XX	KW	inflammatory disorder; lymphoma; melanoma; brain cancer; breast cancer;
XX		XX	KW	Cushing's syndrome; Alzheimer's disease; AIDS; Creutzfeldt-Jakob disease;
XX		XX	KW	acquired immunodeficiency syndrome; Goodpasture's syndrome;
XX		XX	XX	Crohn's disease; multiple sclerosis.
OS		XX	OS	Homo sapiens.
XX		XX	XX	WO200274913-A2.
XX		XX	XX	26-SEP-2002.
XX		XX	XX	14-MAR-2002; 2002WO-US07869.
XX		XX	XX	16-MAR-2001; 2001US-276857P.
XX		XX	XX	19-APR-2001; 2001US-285489P.
XX		XX	XX	19-APR-2001; 2001US-285556P.
XX		XX	XX	04-MAY-2001; 2001US-288646P.
XX		XX	XX	04-MAY-2001; 2001US-288700P.
XX		XX	XX	10-MAY-2001; 2001US-290510P.
XX		XX	XX	11-MAY-2001; 2001US-290369P.
XX		XX	XX	16-NOV-2001; 2001US-332426P.
XX		XX	XX	(INCY-) INCYTE GENOMICS INC.
XX		XX	XX	Hillman JL, Baughn MR, Swarnakar A, Yue H, Elliott VS, Burford N;
XX		XX	XX	Ding L, Tang YT, Lee SY, Azimzai Y, Walia NK, Gietzen KJ;
XX		XX	XX	Griffin JA, Lal PG, Yang J, Borowsky ML, Richardson TW, Yue H;
XX		XX	XX	Becha S, Forsythe IJ, Jones KA, Warren BA, Thangavelu K;
XX		XX	XX	Honchell CD, Jolley HE, Hafalia AJA, Ring HZ;
XX		XX	XX	WPI: 2002-723448/78.
XX		XX	XX	P-PSDB; ABG95664.
XX		XX	XX	New human nucleic acid-associated proteins and polynucleotides, useful
XX		XX	XX	for diagnosing, treating or preventing cardiovascular, neurological,
XX		XX	XX	autoimmune or inflammatory disorders, e.g. atherosclerosis, Alzheimer's
XX		XX	XX	or AIDS.
XX		XX	XX	Claim 5; Page 215-216; 219pp; English.
XX		XX	XX	The invention relates to an isolated human nucleic acid-associated
XX		XX	XX	protein (NAAP), comprising the protein sequences appearing as ABG95644-
XX		XX	XX	ABG95669, or an immunogenic or biologically active fragment. Also
XX		XX	XX	included are the NAAP encoding polynucleotides, a recombinant
XX		XX	XX	polynucleotide comprising a promoter sequence operably linked to the
XX		XX	XX	NAAP polynucleotide, a cell transformed with the recombinant NAAP
XX		XX	XX	polynucleotide, an NAAP transgenic organism, an anti-NAAP antibody,
XX		XX	XX	screening compounds as modulators or antagonists of NAAP or
XX		XX	XX	modulators of NAAP polynucleotide expression, a microarray comprising
XX		XX	XX	30-60 nucleotides of the NAAP polynucleotides and generating an
XX		XX	XX	expression profile of a sample that contains NAAP polynucleotides.
XX		XX	XX	The polypeptide, polynucleotide and agonist are useful for
XX		XX	XX	treating a disease or condition associated with decreased expression of
XX		XX	XX	functional NAAP. The antagonist is useful for treating a disease or
XX		XX	XX	condition associated with overexpression of functional NAAP. The
XX		XX	XX	antibody that specifically binds to the polypeptide is useful for
XX		XX	XX	diagnosing a condition or disease associated with the expression of
XX		XX	XX	NAAP. These diseases include proliferative, developmental,
XX		XX	XX	cardiovascular, neurological, or autoimmune or inflammatory disorders.
XX		XX	XX	These polypeptides, polynucleotides, agonists and antagonists may also
XX		XX	XX	be used for preventing these diseases. These disease or conditions
XX		XX	XX	associated with functional NAAP expression also includes
XX		XX	XX	atherosclerosis, bursitis, cirrhosis, hepatitis, psoriasis, cancers
XX		XX	XX	(e.g. lymphoma, melanoma, brain cancer or breast cancer), Cushing's
XX		XX	XX	syndrome, Alzheimer's disease, acquired immunodeficiency syndrome (AIDS),
XX		XX	XX	Creutzfeldt-Jakob disease, Goodpasture's syndrome, Crohn's disease, or
XX		XX	XX	multiple sclerosis and many other diseases and conditions listed in

AAI78786 standard; DNA; 51 BP.	AAI78786;	AAI78786;	09-NOV-2001 (first entry)	Human silent SNP containing nucleic acid SEQ:5727.	Human; single nucleotide polymorphism; SNP; genome; gene therapy;	protein therapy; vaccine; probe; diagnostic assay; detection;	quantitation; restorative therapy; polymorphic; ds.	Homo sapiens.	WO200140521-A2.	07-JUN-2001.	30-NOV-2000; 2000WO-US32758.	30-NOV-1999; 99US-0168138.	29-NOV-2000; 2000US-0726173.	(CURA-) CURAGEN CORP.	Shimkets RA, Leach M;	WPI: 2001-356160/37.	Polymorphic nucleic acid sequences, useful in genetic testing and	therapy.	Claim 1; Page 2263; 2653pp; English.	AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide	sequences (I), which contain single nucleotide polymorphisms (SNPs).	AAI53114 to AAI53329 represent peptides related to human polymorphic	polynucleotide sequences. The sequences can be used in gene and protein	therapy, and in vaccine production. (I) and the polypeptides encoded by	them may be used in the prevention, diagnosis and treatment of diseases	associated with inappropriate expression of polymorphic polypeptides.	For example, (I) may be used to treat disorders by rectifying mutations	or deletions in a patient's genome that affect the activity of	polypeptides by expressing inactive proteins or to supplement the	patients own production of polypeptide. Additionally, (I) and its	complementary sequences may also be used as DNA probes in diagnostic	assays to detect and quantitate the presence of similar nucleic acids	in samples, and therefore which patients may be in need of restorative	therapy. The polypeptides encoded by (I) may be used as antigens in the	production of antibodies specific for polymorphic polypeptides. The	antibodies may also be used to down regulate expression and activity.	The antibodies may also be used as diagnostic agents for detecting the	presence of polymorphic polypeptides in samples.	Sequence 51 BP; 10 A; 14 C; 15 G; 12 T; 0 other;	Query Match 2.4%; Score 51; DB 22; Length 51;	Best Local Similarity 100.0%; Pred. No. 9.6e-14;	Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	QY 1525 GTACACACCGTGGCTGCGACGCGGACGCTGTCAGTTTACACTGAA 1575		DB 51 GTACACACCGTGGCTGCGACGCGGACGCTGTCAGTTTACACTGAA 1		RESULT 41	ABS73881	ID ABS73881 standard; cDNA; 702 BP.	XX	ABS73881;	XX	ABS73881;	XX	06-DEC-2002 (first entry)	DT	XX
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CC the specification. The present sequence encodes an NAAP protein.
XX
SQ Sequence 702 BP; 206 A; 173 C; 158 G; 165 T; 0 other;

Query Match 1.8%; Score 38; DB 24; Length 702;
Best Local Similarity 100.0%; Pred. No. 1.4e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGC 38
Db 204 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGC 241

RESULT 42
AAH23806
ID AAH23806 standard; cDNA; 1003 BP.
XX
AC AAH23806;
XX
XX
DT 31-JUL-2001 (first entry)
XX
DE Human transferase HTFS-6 cDNA, SEQ ID NO:48.
XX
KW Human transferase: HTFS; agonist; antagonist; cellular signalling;
KW proliferation; cell proliferative disorder; immune disorder;
KW atherosclerosis; hepatitis; psoriasis; cancer; tumour; chromosome 11;
KW inflammation; AIDS; Addison's disease; allergy; asthma; anaemia;
KW cirrhosis; Crohn's disease; atopic dermatitis; diabetes mellitus;
KW multiple sclerosis; rheumatoid arthritis; pancreatitis;
KW systemic lupus erythematosus; thrombocytopenia; ulcerative colitis;
KW haemodialysis; extracorporeal circulation; trauma; transgenic animal;
KW gene therapy; drug screening; ss.
XX
OS Homo sapiens.
XX
XX
FH KEY Location/Qualifiers
FT CDS 192..953
FT FT /*tag= a
FT FT /product= "HTFS-6"
FT FT /function= "Transferase"
XX
XX
PN WO200132888-A2.
XX
PD 10-MAY-2001.
XX
XX
PF 02-NOV-2000; 2000WO-US30485.
XX
XX
PR 04-NOV-1999; 99US-0163595.
XX
XX
PA (INCY-) INCYTE GENOMICS INC.
XX
XX
PI Tang YT, Yue H, Hillman JL, Lal P, Bandman O, Patterson C;
PI Shih LL, Azimzai Y, Lu DAM, Baughn MR;
XX
XX
DR WPI; 2001-328796/34.
DR P-PSDB; AAB73499.
XX
XX
XX Human transferase polypeptides and polynucleotides useful for
XX diagnosis, prevention and treatment of cell proliferative and immune
XX system disorders and for identifying agonists and antagonists.
XX
XX Claim 5; Page 138; 157pp; English.
XX
XX Sequences AAB73494-AAB73535 represent novel human transferase proteins
XX HTFS-1 to HTFS-42, and sequences AAH23801-AAH23842 represent cDNAs
XX encoding them. The proteins play important roles in the regulation of
XX cellular signalling and proliferation. The HTFS proteins are useful for
XX screening compounds for their effectiveness as agonists or antagonists of
XX transferase activity, or for compounds that specifically bind to an HTFS
XX protein or which modulates the activity of an HTFS protein.
XX Pharmaceutical compositions comprising an HTFS protein, HTFS
XX agonist or antagonist, or genetic construct encoding an HTFS
XX protein are useful for treating a disease or condition associated
```

```
CC with decreased or increased expression of functional HTFS. Disorders
CC which may be treated using such compositions include cell proliferative
CC disorders and immune disorders. For example, diseases which may be
CC treated include atherosclerosis, hepatitis, psoriasis, cancers (including
CC breast, bladder, bone marrow, brain and uterus cancer), inflammation,
CC AIDS, Addison's disease, allergies, asthma, anaemia, cirrhosis, Crohn's
CC disease, atopic dermatitis, diabetes mellitus, multiple sclerosis,
CC rheumatoid arthritis, pancreatitis, systemic lupus erythematosus,
CC thrombocytopenia, and ulcerative colitis. They may also be used to treat
CC complications of cancer, haemodialysis, extracorporeal circulation,
CC trauma and haematopoietic cancer, including lymphoma, leukaemia and
CC myeloma. Polynucleotides encoding HTFS proteins are useful for creating
CC transgenic animals to model human diseases, for diagnostic purposes and
CC to generate hybridisation probes useful in mapping the naturally
CC occurring genomic sequences. HTFS, and its catalytic or immunogenic
CC fragments are useful for screening libraries of compounds in a variety of
CC drug screening techniques. Antibodies which specifically bind HTFS may be
CC used for the diagnosis of disorders associated with the expression of
CC HTFS, or in assays to monitor patients being treated with HTFS or
CC agonists, antagonists or inhibitors of HTFS. The present sequence
CC represents an HTFS protein-encoding cDNA of the invention.
XX
XX Sequence 1003 BP; 236 A; 228 C; 344 G; 195 T; 0 other;
SQ
Query Match 1.8%; Score 38; DB 22; Length 1003;
Best Local Similarity 100.0%; Pred. No. 1.4e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGC 38
Db 14 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGCGC 51

RESULT 43
ABZ55279
ID ABZ55279 standard; cDNA; 268 BP.
XX
XX
AC ABZ55279;
XX
XX
DT 28-MAR-2003 (first entry)
XX
DE Aspergillus oryzae polynucleotide SEQ ID NO 4392.
XX
XX Aspergillus oryzae; fermentation; fungus; industrial; EST;
XX expressed sequence tag; gene; ss.
XX
XX Aspergillus oryzae.
XX
XX WO200279476-A1.
XX
XX 10-OCT-2002.
XX
XX 22-MAR-2002; 2002WO-IB00890.
XX
XX 30-MAR-2001; 2001JP-0098371.
XX
XX (NAAD-) NAT INST ADVANCED IND SCI & TECHNOLOGY.
XX (NARE-) NAT RES INST BREWING.
XX (NORQ) NAT FOOD RES INST MIN AGRIC.
XX
XX Machida M, Akita O, Kashiwagi Y, Kitamoto K, Horluchi H;
XX Takeuchi M, Kobayashi T, Kitamoto N, Gomi K, Abe K;
XX WPI; 2003-046817/04.
XX
XX Detection of expression of specific Aspergillus genes for monitoring
XX the fermentation and growth conditions of the fungus, using DNA probes
XX
XX Claim 1; SEQ ID NO 4392; 48pp + Sequence Listing; Japanese.
XX
XX The invention relates to a polynucleotide having any of 6006 specific
XX sequences (ABZ50888-ABZ56893), which are expressed by a fungus under
```

CC specific culture conditions including one or more of eutrophic,
CC oligotrophic, solid, early germination, alkaline, high temperature, low
CC temperature or maltose culture or polynucleotides stringently hybridising
CC to these sequences. The polynucleotides are useful for monitoring the
CC progress of fermentation and the growth conditions of a fungus,
CC especially of *Aspergillus oryzae* which is widely used in industrial
CC fermentation. Also monitoring for fungal contamination.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX SQ Sequence 268 BP; 42 A; 79 C; 86 G; 61 T; 0 other;

Query Match 1.7%; Score 37; DB 25; Length 268;
Best Local Similarity 100.0%; Pred. No. 4.3e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
DB 8 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGG 44

RESULT 44
ABZ53837
ID ABZ53837 standard; cDNA; 617 BP.

XX AC ABZ53837;
XX DT 28-MAR-2003 (first entry)
XX DE *Aspergillus oryzae* polynucleotide SEQ ID NO 2950.
XX KW *Aspergillus oryzae*; fermentation; fungus; industrial; EST;
XX expressed sequence tag; gene; ss.

XX OS *Aspergillus oryzae*.
XX WO200279476-A1.
XX PD 10-OCT-2002.
XX PF 22-MAR-2002; 2002WO-IB00890.
XX PR 30-MAR-2001; 2001JP-0098371.
XX PA (NAAD-) NAT INST ADVANCED IND SCI & TECHNOLOGY.
XX PA (NARE-) NAT RES INST BREWING.
XX PA (NORQ) NAT FOOD RES INST MIN AGRIC.
XX PI Machida M, Akita O, Kashiwagi Y, Kitamoto K, Horiuchi H;
XX PI Takeuchi M, Kobayashi T, Kitamoto N, Gomi K, Abe K;
XX WPI; 2003-046817/04.

XX Detection of expression of specific *Aspergillus* genes for monitoring
XX the fermentation and growth conditions of the fungus, using DNA probes
XX
XX Claim 1; SEQ ID NO 2950; 48pp + Sequence Listing; Japanese.

XX The invention relates to a polynucleotide having any of 6006 specific
XX sequences (ABZ50888-ABZ56893), which are expressed by a fungus under
XX specific culture conditions including one or more of eutrophic,
XX oligotrophic, solid, early germination, alkaline, high temperature, low
XX temperature or maltose culture or polynucleotides stringently hybridising
XX to these sequences. The polynucleotides are useful for monitoring the
XX progress of fermentation and the growth conditions of a fungus,
XX especially of *Aspergillus oryzae* which is widely used in industrial
XX fermentation. Also monitoring for fungal contamination
XX Note: The sequence data for this patent did not form part of the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences.

SQ Sequence 617 BP; 100 A; 186 C; 175 G; 156 T; 0 other;
Query Match 1.7%; Score 37; DB 25; Length 617;
Best Local Similarity 100.0%; Pred. No. 4.2e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGG 37
|||||
DB 13 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGGG 49

RESULT 45
ABQ54475
ID ABQ54475 standard; cDNA; 2410 BP.
XX AC ABQ54475;
XX DT 22-AUG-2002 (first entry)
XX DE Human ovarian antigen HUSJ114 cDNA, SEQ ID NO:355.

XX KW Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour;
XX KW ovarian cancer; breast cancer; tumour; reproductive system disorder;
XX KW infertility; pregnancy disorder; anovulation; polycystic ovary syndrome;
XX KW PCOS; ovarian cyst; dysmenorrhea; endocrine disorder; infection;
XX KW inflammatory condition; immune disorder; blood disorder;
XX KW cardiovascular disorder; respiratory disorder; neurological disorder;
XX KW gastrointestinal disorder; urinary system disorder; drug screening;
XX KW gene therapy; chromosome mapping; forensic analysis;
XX KW antibody preparation; cytostatic; immunomodulatory; neuroprotective;
XX KW antiinflammatory; gynaecological; reproductive; gene; ss.

XX OS Homo sapiens.
XX WO200200677-A1.
XX PN 03-JAN-2002.
XX PD 07-JUN-2001; 2001WO-US18569.
XX PF 07-JUN-2000; 2000US-209467P.
XX PR (HUMA-) HUMAN GENOME SCI INC.

XX PI Birse CE, Rosen CA;
XX WPI; 2002-147878/19.
XX DR P-PSDB; ABP41398.
XX PT Isolated nucleic acid molecules encoding novel ovarian polypeptides,
XX useful in the prevention, treatment and diagnosis of cancer (e.g.
XX ovarian cancer), immune disorders, cardiovascular disorders and
XX neurological diseases -

XX Claim 1; SEQ ID NO 355; 2922pp; English.
XX The invention relates to 2175 novel human ovarian antigens (ABP41054-
XX ABP43228) and to cDNAs encoding them (ABQ54131-ABQ56305), and also
XX encompasses polypeptides 90% identical and polynucleotides 95% identical
XX to the sequences of the invention. The invention additionally relates to
XX recombinant vectors and host cells comprising human ovarian antigen
XX polynucleotides, antibodies against human ovarian antigens, and the use
XX of ovarian antigen polynucleotides and polypeptides in diagnosing,
XX treating, prognosing or preventing various ovary and/or breast-related
XX disorders. Such conditions include ovarian cancer and breast cancer, and
XX metastatic tumours of ovarian or breast origin, reproductive system
XX disorders (e.g., infertility, disorders of pregnancy, anovulation,
XX polycystic ovary syndrome, ovarian cysts, and dysmenorrhea), endocrine
XX disorders, infections (e.g., chlamydia, HIV, toxoplasmosis), and toxic
XX shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and
XX vaginitis), immune disorders (e.g., congenital and acquired
XX immunodeficiencies, autoimmune oophoritis, systemic lupus erythematosus),
XX blood-related disorders (e.g., anaemia), cardiovascular disorders, CC

respiratory disorders, neurological disorders, gastrointestinal disorders and urinary system disorders. Ovarian antigen polypeptides and polynucleotides may also be used in screening for compounds which modulate ovarian antigen expression or activity. The polynucleotides may further be used for gene therapy, chromosome mapping, in the identification of individuals and in forensic analysis, and the polypeptides may be used as food additives or to prepare antibodies useful in disease diagnosis, drug targeting and phenotyping. The present sequence represents cDNA encoding a human ovarian antigen of the invention.

Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.

Sequence 2410 BP: 699 A: 474 C: 547 G: 678 T: 12 other: 50

```
Query Match      1.7%; Score 37; DB 24; Length 2410;
Best Local Similarity 100.0%; Pred. No. 4.1e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGG 37
|||||

Db 2 CGGACGCGTGGCGCGACGCGTGGCGGCGACGCGTGGG 38
|||||

RESULT 46
AAS21346
ID AAS21346 standard; cDNA: 2782 BP.

AA
AC
AAS21346;

DT 24-OCT-2001 (first entry)

DE Human cDNA sequence encoding for PR05005 polypeptide.

Human secretory and transmembrane; PRO; mammalian; cancer; lung;
 KW breast; prostate; cervical; tumour necrosis factor- α ; TNF- α ; TNF- α ;
 KW cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle;
 KW adipocyte; A-peptide; factor VIIA; gene therapy; ss.

XX	Homo sapiens.
OS	
XX	
PN	WO200140466-A2.

XX	07-JUN-2001.	
PD		
XX		
PF	01-DEC-2000;	2000WO-US32678.
XX		
PR	01-DEC-1999;	99WO-US28301.
PR	01-DEC-1999;	99WO-US28634.
PR	02-DEC-1999;	99WO-US28551.
PR	02-DEC-1999;	99WO-US28564.
PR	02-DEC-1999;	99WO-US28565.
PR	09-DEC-1999;	99US-O170262.
PR	16-DEC-1999;	99US-US30095.
PR	20-DEC-1999;	99WO-US30911.
PR	20-DEC-1999;	99WO-US30999.
PR	30-DEC-1999;	99WO-US32493.
PR	06-JAN-2000;	2000WO-US00277.
PR	06-JAN-2000;	2000WO-US00376.
PR	11-FEB-2000;	2000WO-US03565.
PR	18-FEB-2000;	2000WO-US04341.
PR	18-FEB-2000;	2000WO-US04342.
PR	22-FEB-2000;	2000WO-US04414.
PR	24-FEB-2000;	2000WO-US04914.
PR	24-FEB-2000;	2000WO-US05004.
PR	01-MAR-2000;	2000WO-US05601.
PR	20-MAR-2000;	2000WO-US07377.
PR	21-MAR-2000;	2000WO-US07532.
PR	30-MAR-2000;	2000WO-US08439.
PR	17-MAY-2000;	2000WO-US13705.
PR	22-MAY-2000;	2000WO-US14042.
PR	30-MAY-2000;	2000WO-US14941.

PR 02-JUN-2000; 2000WO-US15264.
PR 10-NOV-2000; 2000WO-US30873.
XX
PA (GETH) GENENTECH INC.

xx
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Flivaroff E, Gao W
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX
DR WPI; 2001-408281/43.
DR P-PSDB; AAU12274.

Isolated, secretory and transmemb

other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumours e.g. lung, breast, prostate, cervical -

Claim 3; Fig 205; 813pp; English.

ASAS21244-ASAS21518 encode for novel human secretory and transmembrane PRO polypeptides. The PRO polypeptides are useful to detect other PRO polypeptides, to link bioactive molecules to cells expressing PRO polypeptides, to modulate biological activities of cells expressing PRO polypeptides, and to detect the presence of mammalian lung, colon, breast, prostate, rectal, cervical or liver tumours by comparing PRO polypeptide expression in a cell sample to that in a control sample.

Some of the 275 sequences are also useful to stimulate the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or differentiation of chondrocytes, the proliferation or gene expression in pericyte cells, the release of proteoglycans from cartilage, the proliferation of inner ear utricular supporting cells or of T-lymphocytes, the release of a cytokine from peripheral blood monocytes (PBMCs), or the proliferation of endothelial cells. Some of the PRO polypeptides may modulate glucose or free fatty acid uptake by skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide to factor VIIa. The PRO polypeptides can be used in assays to identify molecules involved in binding interactions. The polynucleotides encoding PRO polypeptides can be used to generate probes, antisense RNA/DNA, transgenic or knock out animals and can be used in gene therapy.

Sequence 2782 BP; 785 A; 641 C; 710 G; 646 T; 0 other;

Query Match 1.7%; Score 37; DB 22; Length 2782;
Best Local Similarity 100.0%; Pred. No. 4.1e-07;
Matches 37; Conservative 0; Mismatches 0; Indels

Qy 1 CGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGG 37
|||||

Db 1 CGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGG 37

RESULT 47
ACA03705

ACA03705
ID ACA03705 standard; CDNA; 2782 BP.

AA ACA03705;

DT 23-MAY-2003 (first entry)

DE cDNA encoding human PRO polypeptide #103.

Human; PRO polypeptide; secreted and transmembrane protein;
tumour necrosis factor- α ; TNF- α ; blood; proliferation
differentiation; chondrocyte; tumour; genetic disorder;
cytostatic; gene; ss.

XX
OS
Homo sapiens.

XX PN US2003036180-A1.

XX
PD
20-FEB-2003.

XX
PF 09-MAY-2002: 2002US-0143114.

XX	31-MAR-1997;	97WO-US05230.	PR	25-MAY-2001;	2001WO-US17092.	
PR	12-JUN-1998;	98WO-US12456.	PR	01-JUN-2001;	2001WO-US17800.	
PR	14-JUL-1998;	98WO-US14552.	PR	20-JUN-2001;	2001WO-US19692.	
PR	28-AUG-1998;	98WO-US17888.	PR	22-JUN-2001;	2001WO-US20116.	
PR	10-SEP-1998;	98WO-US18824.	PR	29-JUN-2001;	2001WO-US21066.	
PR	14-SEP-1998;	98WO-US19093.	PR	09-JUL-2001;	2001WO-US21735.	
PR	14-SEP-1998;	98WO-US19094.	PR	20-DEC-2000;	2000US-0747259.	
PR	14-SEP-1998;	98WO-US19177.	PR	28-FEB-2001;	2001US-0796498.	
PR	16-SEP-1998;	98WO-US19330.	PR	09-MAR-2001;	2001US-0802706.	
PR	17-SEP-1998;	98WO-US19437.	PR	14-MAR-2001;	2001US-0806689.	
PR	07-OCT-1998;	98WO-US21141.	PR	22-MAR-2001;	2001US-0816744.	
PR	29-OCT-1998;	98WO-US22991.	PR	05-APR-2001;	2001US-0828366.	
PR	29-OCT-1998;	98WO-US22992.	PR	10-MAY-2001;	2001US-0854208.	
PR	20-NOV-1998;	98WO-US24855.	PR	18-MAY-2001;	2001US-0854280.	
PR	01-DEC-1998;	98WO-US25108.	PR	25-MAY-2001;	2001US-0860216.	
PR	05-JAN-1999;	99WO-US00106.	PR	25-MAY-2001;	2001US-0866034.	
PR	08-MAR-1999;	99WO-US05028.	PR	01-JUN-2001;	2001US-0872035.	
PR	10-MAR-1999;	99WO-US05190.	PR	05-JUN-2001;	2001US-0874503.	
PR	20-APR-1999;	99WO-US08615.	PR	14-JUN-2001;	2001US-0882636.	
PR	14-MAY-1999;	99WO-US10733.	PR	19-JUN-2001;	2001US-0886342.	
PR	02-JUN-1999;	99WO-US12252.	PR	21-JUN-2001;	2001US-0887879.	
PR	01-SEP-1999;	99WO-US20111.	PR	18-JUL-2001;	2001US-0908827.	
PR	08-SEP-1999;	99WO-US20594.	PR	06-AUG-2001;	2001US-0924419.	
PR	13-SEP-1999;	99WO-US20944.	PR	09-AUG-2001;	2001US-0927796.	
PR	15-SEP-1999;	99WO-US21090.	PR	16-AUG-2001;	2001US-0931836.	
PR	15-SEP-1999;	99WO-US21547.	XX	19-DEC-2001;	2001US-0028072.	
PR	05-OCT-1999;	99WO-US23089.	PA			(GETH) GENENTECH INC.
PR	29-NOV-1999;	99WO-US28214.	XX			Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PR	30-NOV-1999;	99WO-US28313.	PI			Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PR	30-NOV-1999;	99WO-US28409.	PI			Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
PR	01-DEC-1999;	99WO-US28301.	XX			WPI; 2003-332040/31.
PR	01-DEC-1999;	99WO-US28634.	XX			P-PSDB; ABU66672.
PR	02-DEC-1999;	99WO-US28551.	DR			New secreted and transmembrane PRO nucleic acids, useful for gene
PR	02-DEC-1999;	99WO-US28564.	DR			therapy, in chromosome and gene mapping, as chromosome markers, in
PR	02-DEC-1999;	99WO-US28565.	XX			tissue typing, and in chromosome identification
PR	16-DEC-1999;	99WO-US30095.	XX			Claim 2; Fig 205; 660pp; English.
PR	20-DEC-1999;	99WO-US30911.	PT			The present invention relates to the isolation of novel human PRO
PR	20-DEC-1999;	99WO-US30999.	PT			polypeptides, and the polynucleotide sequences encoding them. The
PR	22-DEC-1999;	99WO-US30720.	XX			PRO polypeptides are secreted and transmembrane proteins. The PRO
PR	30-DEC-1999;	99WO-US31274.	XX			polypeptides are useful for detecting other PRO polypeptides, for
PR	05-JAN-2000;	2000WO-US00219.	PS			linking bioactive molecules to cells expressing PRO polypeptides,
PR	06-JAN-2000;	2000WO-US00376.	CC			for modulating biological activities of cells expressing PRO
PR	11-FEB-2000;	2000WO-US03565.	CC			polypeptides, and for identifying agonists or antagonists.
PR	18-FEB-2000;	2000WO-US04341.	CC			The PRO polypeptides are useful for stimulating the release of
PR	22-FEB-2000;	2000WO-US0414.	CC			tumour necrosis factor (TNF)-alpha from human blood, for stimulating the
PR	24-FEB-2000;	2000WO-US04914.	CC			proliferation or differentiation of chondrocytes, and detecting the
PR	01-MAR-2000;	2000WO-US05601.	CC			presence of tumours. The polynucleotide sequences encoding PRO
PR	02-MAR-2000;	2000WO-US05746.	CC			polypeptides are useful as hybridisation probes, in chromosome and
PR	10-MAR-2000;	2000WO-US05841.	CC			gene mapping, in the generation of antisense RNA and DNA, in the
PR	15-MAR-2000;	2000WO-US06884.	CC			preparation of PRO polypeptides, for generating transgenic animals or
PR	20-MAR-2000;	2000WO-US07377.	CC			knockout animals, for the genetic analysis of individuals with genetic
PR	21-MAR-2000;	2000WO-US07532.	CC			disorders, and in gene therapy. ACA03603-ACA03877 represent cDNAs
PR	30-MAR-2000;	2000WO-US08439.	CC			encoding the human PRO polypeptides of the invention.
PR	17-MAY-2000;	2000WO-US13705.	CC			Note: The sequence data for this patent was obtained in electronic
PR	22-MAY-2000;	2000WO-US14042.	CC			format directly from the USPTO web site at
PR	30-MAY-2000;	2000WO-US14941.	CC			seqdata.uspto.gov/psipsiDIDentry.html.
PR	02-JUN-2000;	2000WO-US15264.	XX			Sequence 2782 BP; 785 A; 641 C; 710 G; 646 T; 0 other;
PR	28-JUL-2000;	2000WO-US20710.	XX			
PR	11-AUG-2000;	2000WO-US22031.	XX			
PR	23-AUG-2000;	2000WO-US23522.	XX			
PR	24-AUG-2000;	2000WO-US23328.	XX			
PR	08-NOV-2000;	2000WO-US23092.	XX			
PR	10-NOV-2000;	2000WO-US30873.	XX			
PR	01-DEC-2000;	2000WO-US32678.	XX			
PR	20-DEC-2000;	2000WO-US34956.	XX			
PR	28-FEB-2001;	2001WO-US06520.	XX			
PR	01-MAR-2001;	2001WO-US06666.	XX			
						Query Match
						Best Local Similarity 1.7%; Score 37; DB 25; Length 2782;
						Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY	1	CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGGG 37				
DB	1	CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGGG 37				

RESULT 48
ACA04126
ID ACA04126 standard; cdna; 2782 BP.
XX AC ACA04126;
XX DT 27-MAY-2003 (first entry)
XX DE Human cDNA encoding a secreted/transmembrane protein, SEQ ID 205.
XX KW Human; ss; gene; secreted protein; transmembrane protein; PRO;
KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;
KW infertility; birth defects; premature aging; AIDS; biosensor;
KW acquired immunodeficiency syndrome; cancer; diabetic complication;
KW bioreactor; tumour.
XX OS Homo sapiens.
XX PN US2003032155-A1.
XX PD 13-FEB-2003.
XX PF 03-MAY-2002; 2002US-0137865.
XX PR 31-MAR-1997; 97WO-US05230.
PR 12-JUN-1998; 98WO-US12456.
PR 14-JUL-1998; 98WO-US14552.
PR 28-AUG-1998; 98WO-US17888.
PR 10-SEP-1998; 98WO-US18824.
PR 14-SEP-1998; 98WO-US19093.
PR 14-SEP-1998; 98WO-US19094.
PR 14-SEP-1998; 98WO-US19177.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 29-OCT-1998; 98WO-US22991.
PR 29-OCT-1998; 98WO-US22992.
PR 20-NOV-1998; 98WO-US24855.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 98WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 10-MAR-1999; 99WO-US05190.
PR 20-APR-1999; 99WO-US08615.
PR 14-MAY-1999; 99WO-US10733.
PR 02-JUN-1999; 99WO-US12252.
PR 01-SEP-1999; 99WO-US20111.
PR 08-SEP-1999; 99WO-US20944.
PR 13-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 05-OCT-1999; 99WO-US23089.
PR 29-NOV-1999; 99WO-US28214.
PR 30-NOV-1999; 99WO-US28313.
PR 30-NOV-1999; 99WO-US28409.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 02-DEC-1999; 99WO-US28551.
PR 02-DEC-1999; 99WO-US28564.
PR 02-DEC-1999; 99WO-US28565.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 20-DEC-1999; 99WO-US30999.
PR 22-DEC-1999; 99WO-US30720.
PR 30-DEC-1999; 99WO-US31243.
PR 30-DEC-1999; 99WO-US31274.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00277.
PR 11-FEB-2000; 2000WO-US00376.
PR 18-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 18-FEB-2000; 2000WO-US04342.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 01-MAR-2000; 2000WO-US05601.
PR 02-MAR-2000; 2000WO-US05746.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 20-MAR-2000; 2000WO-US07532.
PR 30-MAR-2000; 2000WO-US08439.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 10-NOV-2000; 2000WO-US30873.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000WO-US34956.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-MAR-2001; 2001WO-US06666.
PR 25-MAY-2001; 2001WO-US17092.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 22-JUN-2001; 2001WO-US20116.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 20-DEC-2000; 2000US-074259.
PR 08-FEB-2001; 2001US-0796498.
PR 25-MAR-2001; 2001US-0802706.
PR 14-MAR-2001; 2001US-0808689.
PR 22-MAR-2001; 2001US-0816744.
PR 05-APR-2001; 2001US-0828366.
PR 10-MAY-2001; 2001US-0854208.
PR 10-MAY-2001; 2001US-0854280.
PR 18-MAY-2001; 2001US-0860216.
PR 25-MAY-2001; 2001US-0866028.
PR 25-MAY-2001; 2001US-0866034.
PR 01-JUN-2001; 2001US-0872035.
PR 05-JUN-2001; 2001US-0874503.
PR 14-JUN-2001; 2001US-0882636.
PR 19-JUN-2001; 2001US-0886342.
PR 21-JUN-2001; 2001US-0887879.
PR 18-JUL-2001; 2001US-0908827.
PR 06-AUG-2001; 2001US-0924419.
PR 09-AUG-2001; 2001US-0927796.
PR 16-AUG-2001; 2001US-0931836.
PR 19-DEC-2001; 2001US-0028072.
XX
XX
PA (GETH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-331925/31.
DR P-PSDB; ABU66948.
XX
XX
PT New secreted and transmembrane nucleic acids and polypeptides,
PT designated as PRO, useful for treating inflammation, organ failure,
PT atherosclerosis, cardiac injury, infertility, birth defects, premature
PT aging, AIDS, or cancer
XX
PS Claim 2; Fig 205; 659pp; English.
XX
CC The invention relates to an isolated nucleic acid comprising, or which is
CC at least 80% identical to, or the full-length coding sequence of, any of
CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
CC (one of 275 secreted or transmembrane proteins). The nucleic acid

CC further comprises the full-length coding sequence of the DNA deposited
CC under American Type Culture Collection (ATCC) accession number in a list
CC given in the specification. Also included are vectors and host
CC cells for producing PRO proteins, PRO fusion proteins, anti-PRO
CC antibodies, PRO extracellular domains and mature sequences, methods
CC of detecting PRO proteins, methods for stimulating the release of
CC TNF-alpha (tumour necrosis factor alpha) from human blood,
CC (and the proliferation of differentiation of chondrocyte cells, the
CC proliferation of, or gene expression in pericyte cells, the release or
CC proteoglycans from cartilage, proliferation of inner ear utricular
CC supporting cells, the proliferation of T-lymphocyte cells, the release
CC of a cytokine from peripheral blood mononuclear cells (PBMC), or the
CC proliferation of endothelial cells), a method for modulating the uptake
CC of glucose or free fatty acid (FFA) by skeletal muscle cells,
CC a method for inhibiting the binding of A-peptide to factor VIIA,
CC or the differentiation of adipocyte cells, a method for detecting the
CC presence of a tumour in a mammal and an oligonucleotide probe derived
CC from any of the nucleotide sequences cited above. The nucleic acids and
CC polypeptides are useful for treating inflammatory diseases, organ
CC failure, atherosclerosis, cardiac injury, infertility, birth defects,
CC premature aging, AIDS (acquired immunodeficiency syndrome), cancer, or
CC diabetic complications. The nucleic acids are useful as hybridisation
CC probes, in chromosome and gene mapping, and in generating antisense RNA
CC or DNA. The polypeptides are useful as pharmaceuticals, diagnostics,
CC biosensors or bioreactors. Both are useful in tissue typing.
CC The present sequence encodes a PRO protein of the invention.

XX Sequence 2782 BP; 785 A; 641 C; 710 G; 646 T; 0 other;

Query Match 1.7%; Score 37; DB 25; Length 2782;
Best Local Similarity 100.0%; Pred. No. 4.1e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACCGTGGCGGACGCGTGGCGGCGGCGTGGGG 37
|||||
Db 1 CGGACCGTGGCGGACGCGTGGCGGCGGCGGCGTGGGG 37

RESULT 49

ABX89243
ID ABX89243 standard; cDNA; 2782 BP.

XX AC ABX89243;

XX 13-MAY-2003 (first entry)

XX DNA encoding novel secreted and transmembrane protein PRO5005.

XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis; gene; ss.

XX Homo sapiens.

XX US2003017563-A1.

XX 23-JAN-2003.

XX 07-MAY-2002; 2002US-0140808.

XX 31-MAR-1997; 97WO-US05230.

XX 12-JUN-1998; 98WO-US12456.

XX 14-JUL-1998; 98WO-US14552.

XX 28-AUG-1998; 98WO-US17888.

XX 10-SEP-1998; 98WO-US18824.

XX 14-SEP-1998; 98WO-US19093.

PR 14-SEP-1998; 98WO-US19094.
PR 14-SEP-1998; 98WO-US19177.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 29-OCT-1998; 98WO-US22291.
PR 29-OCT-1998; 98WO-US22992.
PR 20-NOV-1998; 98WO-US24855.
PR 01-DEC-1998; 98WO-US25108.
PR 08-MAR-1999; 99WO-US00106.
PR 10-MAR-1999; 99WO-US05190.
PR 20-APR-1999; 99WO-US08615.
PR 14-MAY-1999; 99WO-US10733.
PR 02-JUN-1999; 99WO-US12252.
PR 01-SEP-1999; 99WO-US20111.
PR 08-SEP-1999; 99WO-US20394.
PR 13-SEP-1999; 99WO-US20344.
PR 15-SEP-1999; 99WO-US21347.
PR 05-OCT-1999; 99WO-US23089.
PR 29-NOV-1999; 99WO-US28214.
PR 30-NOV-1999; 99WO-US28313.
PR 30-NOV-1999; 99WO-US28409.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 02-DEC-1999; 99WO-US28551.
PR 02-DEC-1999; 99WO-US28564.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 20-DEC-1999; 99WO-US30999.
PR 22-DEC-1999; 99WO-US30720.
PR 30-DEC-1999; 99WO-US31243.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00277.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04342.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 01-MAR-2000; 2000WO-US05601.
PR 02-MAR-2000; 2000WO-US05746.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 21-MAR-2000; 2000WO-US07532.
PR 30-MAR-2000; 2000WO-US08439.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 10-NOV-2000; 2000WO-US30873.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000WO-US34956.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-MAR-2001; 2001WO-US06666.
PR 25-MAY-2001; 2001WO-US17092.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 22-JUN-2001; 2001WO-US20116.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 20-DEC-2000; 2000US-0747259.

PR 28-FEB-2001; 2001US-0796498.
PR 09-MAR-2001; 2001US-0802706.
PR 14-MAR-2001; 2001US-0808689.
PR 22-MAR-2001; 2001US-0816744.
PR 05-APR-2001; 2001US-0828366.
PR 10-MAY-2001; 2001US-0854208.
PR 10-MAY-2001; 2001US-0854280.
PR 18-MAY-2001; 2001US-0860216.
PR 25-MAY-2001; 2001US-0866028.
PR 25-MAY-2001; 2001US-0866034.
PR 01-JUN-2001; 2001US-0872035.
PR 05-JUN-2001; 2001US-0874503.
PR 14-JUN-2001; 2001US-0882636.
PR 19-JUN-2001; 2001US-0886342.
PR 21-JUN-2001; 2001US-0887879.
PR 18-JUL-2001; 2001US-0908927.
PR 06-AUG-2001; 2001US-0924419.
PR 09-AUG-2001; 2001US-0927796.
PR 16-AUG-2001; 2001US-0931836.
PR 19-DEC-2001; 2001US-0028072.

(GETH) GENENTECH INC.

PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

DR WPI: 2003-148238/14.
DR P-PSDB; ABU59753.

XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments.

XX Claim 2; Fig 205; 659pp; English.

XX The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO11066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and
CC are thus useful for treating sports injuries, and arthritis. This
CC sequence encodes a novel human PRO protein.

XX Sequence 2782 BP; 785 A; 641 C; 710 G; 646 T; 0 other;

Query Match 1.7%; Score 37; DB 25; Length 2782;
Best Local Similarity 100.0%; Pred. No. 4.1e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGG 37
Db |||||||||||||||||||||||||||||||||||||
1 CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGG 37

RESULT 50

ABN59682

ID ABN59682 standard; cDNA; 5173 BP.

XX AC ABN59682;

XX DT 28-JUN-2002 (first entry)

XX DE Novel human coding sequence SEQ ID NO: 93.

XX Human; antianaemic; vulnerary; antiinflammatory; immunomodulator;
XX antiinfertility; cerebroprotective; cytostatic; rheumatic; gene therapy;
XX neuroprotective; antiparkinsonian; protein therapy; EST;
XX expressed sequence tag; gene; ss.

XX OS Homo sapiens.

XX PN WC200222660-A2.

XX PD 21-MAR-2002.

XX PF 10-SEP-2001; 2001WO-US26015.

XX PR 11-SEP-2000; 2000US-0659671.

XX (HYSE-) HYSEQ INC.

XX Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;

PI Xue AJ, Yang Y, Wehrman T, Drmanac RT;

XX WPI: 2002-292408/33.

DR P-PSDB; ABB97269.

XX An isolated polynucleotide for treating diseases associated with its
PT encoded polypeptide such as cancer and multiple sclerosis -

PS Claim 1; SEQ ID NO 93; 509pp; English.

XX The present invention provides the protein and coding sequences of 444
CC novel human proteins. These were isolated from expressed sequences tags
CC (ESTs). They can be used to stimulate cell growth, to regulate
CC haematopoiesis e.g. to treat aplastic anaemia, to help tissue regrowth
CC e.g. in burn treatment, to regulate the immune system e.g. to treat
CC multiple sclerosis, to regulate activin or inhibin e.g. to treat
CC infertility, to regulate haemostasis or thrombolysis e.g. to treat
CC stroke and cancer, to screen for drugs, to treat inflammatory conditions
CC e.g. rheumatoid arthritis, and to treat nervous system disorders e.g.
CC Parkinson's disease. The present sequence is a coding sequence of the
CC invention.

XX Sequence 5173 BP; 1276 A; 1368 C; 1204 G; 1325 T; 0 other;

Query Match 1.7%; Score 37; DB 24; Length 5173;

Best Local Similarity 100.0%; Pred. No. 4.1e-07;

Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGG 37

Db |||||||||||||||||||||||||||||||||||||

61 CGGACCGGTGGCGGACGCGTGGCGGACGCGTGGG 97

Search completed: September 24, 2003, 16:11:00

Job time : 625 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 15:52:06 ; Search time 4549 Seconds
(without alignments)
11444.315 Million cell updates/sec

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Perfect score: 2142
Sequence: 1 cggacgcgtggcgacgcg.....tttcataaaagctggaaagc 2142

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 22781392 seqs, 12152238056 residues

Word size : 10

Total number of hits satisfying chosen parameters: 30005968

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

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- 2: em_esthum:*
- 3: em_estin:*
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- 5: em_estov:*
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- 8: em_htc:*
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- 10: gb_est2:*
- 11: gb_htc:*
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- 13: gb_est4:*
- 14: gb_est5:*
- 15: em_estfun:*
- 16: em_estom:*
- 17: em_gss_hum:*
- 18: em_gss_inv:*
- 19: em_gss_pln:*
- 20: em_gss_vrt:*
- 21: em_gss_fun:*
- 22: em_gss_man:*
- 23: em_gss_mus:*
- 24: em_gss_pro:*
- 25: em_gss_rod:*
- 26: em_gss_phg:*
- 27: em_gss_vrl:*
- 28: gb_gssl:*
- 29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	964	45.0	1112	9	AL547686 AL547686
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4	828	38.7	1201	9	AL514028 AL514028

c	5	753	35.2	1201	9	AL576274	AL576274
c	6	731	34.1	996	9	AL570036	AL570036
c	7	701	32.7	1201	9	AL548198	AL548198
	8	700	32.7	700	12	BM763764	K-EST0045
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	12	653	30.5	1021	12	BM554312	AGENCOURT
	13	646	30.2	658	12	BI916322	603178256
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	15	643	30.0	1090	13	BQ068006	AGENCOURT
	16	639	29.8	813	14	CB996516	AGENCOURT
	17	637	29.7	661	13	BM101885	BM101885
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c	19	624	29.1	1201	9	AL553213	AL553213
	20	612	28.6	1201	9	AL541052	AL541052
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Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.	
1 (bases 1 to 2160)	
REFERENCE	
AUTHORS	Zhou,X.M., Zhang,P.P., Jiang,H.Q., Huang,Y., Qin,W.X., Zhao,X.T., Wan,D.F. and Gu,J.R.
TITLE	Novel human cDNA clones with function of inhibiting cancer cell growth
JOURNAL	Unpublished
REFERENCE	
AUTHORS	Zhou,X.M., Zhang,P.P., Jiang,H.Q., Huang,Y., Qin,W.X., Zhao,X.T., Wan,D.F. and Gu,J.R.
TITLE	Direct Submission
JOURNAL	Submitted (17-JUL-2000) National Laboratory For Oncogenes & Related Genes, Shanghai Cancer Institute, 25/Ln 2200 Xie-Tu Road, Shanghai 200032, P. R. China
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QY	208 CTACCCACAGCAGCTCCAAAGCAGCTGAACGCCGCCGCCAGGTGAAGAAAGAACCGAAA 267
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QY	328 TACCAAGTGACGGGCTGTGGCGGTTCTTCTTCAGATCTACCTATTTGGATGTGGCT 387
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QY	303 TACCAAGTGACGGGCTGTGGCGGTTCTTCTTCAGATCTACCTATTTGGATGTGGCT 362
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QY	662 GCAGACTGAGCGGATTTCTGCCACCGCTATCGGATGACTGTGAAGTGTGGGACAGT 721
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ACCESSION
VERSION
AL547686.2 GI:31269515
KEYWORDS
EST.
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ORGANISM
Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1112)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 15, 2001 this sequence version replaced gi:12881980.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI008DE05Qp1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
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primer. Five prime end enriched, double-strand cDNA was
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FEATURES
source

```
BASE COUNT 247 a 297 c 287 g 277 t 4 others
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Query Match 45.0%; Score 964; DB 9; Length 1112;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1014; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1092 TGGTGGAGGGAACCTTTGCTTTGTTTGGCACCCTACACCTTGGGCTTCGCAATGAATTC 1151
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Db 50 TGGTGGAGGGAACCTTTGCTTTGTTTGGCACCCTACACCTTGGGCTTCGCAATGAATTC 109

QY 1152 AGAATCTACTCCTCGCCATCATGCTCTCGGCCACTTTAAACCATCCCATCGAGTGGCAT 1211
|||||
Db 110 AGAATCTACTCCTCGCCATCATGCTCTCGGCCACTTTAAACCATCCCATCGAGTGGCAT 169

QY 1212 TCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCAT 1271
|||||
Db 170 TCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCAT 229

QY 1272 TTCTCATCTTGGTGGCCCTCATGAGAGTAACTCATCATTTACATATCGGTAGTGTGG 1331
|||||
Db 230 TTCTCATCTTGGTGGCCCTCATGAGAGTAACTCATCATTTACATATCGGTAGTGTGG 289

QY 1332 CAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGTGTCATGCTGCTGATGTCA 1391
|||||
Db 290 CAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGTGTCATGCTGCTGATGTCA 349

QY 1392 TTGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCACTTCTTCTCT 1451
|||||
Db 350 TTGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCACTTCTTCTCT 409

QY 1452 TCTATGTCTTCTTACCAGTTTGGCTCTGGAGTGTCTACTGGGCAATTTTACCCCTCAGT 1511
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Db 410 TCTATGTCTTCTTACCAGTTTGGCTCTGGAGTGTCTACTGGGCAATTTTACCCCTCAGT 469

QY 1512 TGGACTTTGCGAGGTACAGACCCCTGCTGCTGCCAGCCGGAAGCTGTCAAGTTTACAC 1571
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Db 470 TGGACTTTGCGAGGTACAGACCCCTGCTGCTGCCAGCCGGAAGCTGTCAAGTTTACAC 529

QY 1572 TGAACATGCTGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCTGCTGCTTCTCA 1631
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Db 530 TGAACATGCTGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCTGCTGCTTCTCA 589

QY 1632 AAATGTACCCCATTTGATGAGAGAGCGCGGCGAGAAATGAAGGCCCTGCGAGGCACATGA 1691
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Db 590 AAATGTACCCCATTTGATGAGAGAGCGCGGCGAGAAATGAAGGCCCTGCGAGGCACATGA 649

QY 1692 GGGAGCGGCCAGCAGCTCTGGCTCTCAGAAACAGACTCCACAGAGTGGCTAGCATCC 1751
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Db 650 GGGAGCGGCCAGCAGCTCTGGCTCTCAGAAACAGACTCCACAGAGTGGCTAGCATCC 709

QY 1752 TCTAGGGCCCGCCACGTTTCCCGAAGCCACCATGAGAGGCCACAGAGGATCAGGAC 1811
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Db 710 TCTAGGGCCCGCCACGTTTCCCGAAGCCACCATGAGAGGCCACAGAGGATCAGGAC 769

QY 1812 CTGCTGCGGGCTTCTGCTGAGCAGTGGAGTGCAGGTGTAGGAAGGGAACCTGAAGACTCA 1871
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Db 770 CTGCTGCGGGCTTCTGCTGAGCAGTGGAGTGCAGGTGTAGGAAGGGAACCTGAAGACTCA 829

QY 1872 AGGAGGTGCCCGCAGCAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1931
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Db 830 AGGAGGTGCCCGCAGCAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 889

QY 1932 GCCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1991
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Db 890 GCCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 949

QY 1992 GACTGATCGGGCTAGCCCGGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCTAAT 2051
|||||
Db 950 GACTGATCGGGCTAGCCCGGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCTAAT 1009

QY 2052 AATAACTTAATGACTGTGTATACATAGCAATGTGTGTATGTATGTATGTGTGTGAGC 2106
```

[illegible]

cgi-bin/cluster.cgi?seq=CL0BA0122H01RP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com/ Invitrogen Corporation 1600
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CL0BA0122H01RP1.
Location/Qualifiers

FEATURES

source

1..1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CL0BA0122H01"
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/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

BASE COUNT 264 a 323 c 299 g 284 t 31 others

ORIGIN

Query Match 38.7%; Score 828; DB 9; Length 1201;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 978; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 683 ACCGAGCAGCTGACGGGATTCGCCACCGCTATCGATGACTGTGAAGTGTGGGC 742
DB 63 ACCGAGCAGCTGACGGGATTCGCCACCGCTATCGATGACTGTGAAGTGTGGGC 122
QY 743 ACAGTGTGGGCACGGCGATCCAGGACAAATCGTGGCCAGCAGACACGCTGTTC 802
DB 123 ACAGTGTGGGCACGGCGATCCAGGACAAATCGTGGCCAGCAGACACGCTGTTC 182
QY 803 CAGGACTCAATAGCTTACAGTACAGTTCACAAAGTGCACATACATGACACCAT 862
DB 183 CAGGACTCAATAGCTTACAGTACAGTTCACAAAGTGCACATACATGACACCAT 242
QY 863 TCACACAGGAAACCAAAAGCATACCTGCTGGCAGCGGGGTATTGCTGTATCAT 922
DB 243 TCACACAGGAAACCAAAAGCATACCTGCTGGCAGCGGGGTATTGCTGTATCAT 302
QY 923 ATAATCTGTGCTCATCTCTGATCTCTGGCGTTCGGGAGCAGAGAACCCCTATGAACC 982
DB 303 ATAATCTGTGCTCATCTCTGATCTCTGGCGTTCGGGAGCAGAGAACCCCTATGAACC 362
QY 983 CAGCAGCTGTGACCAATGCCCTACTTCCGGGCGCTACGGCTGTGATGAGCAGCGCCA 1042
DB 363 CAGCAGCTGTGACCAATGCCCTACTTCCGGGCGCTACGGCTGTGATGAGCAGCGCCA 422
QY 1043 TACATCAAACTTATTACTGGCTTCTCTTCACTCTCTTGGCTTTCATGCTGGGAGGG 1102
DB 423 TACATCAAACTTATTACTGGCTTCTCTTCACTCTCTTGGCTTTCATGCTGGGAGGG 482
QY 1103 AACTTTGTCTTTTGGACCTTACACCTTTGGCTTCCGCAATGAATTCAGAAATCTACTC 1162
DB 483 AACTTTGTCTTTTGGACCTTACACCTTTGGCTTCCGCAATGAATTCAGAAATCTACTC 542
QY 1163 CTGGCCATCATGCTCTCGGCCACTTTAACCATTCCTCCATTCGCAATGTTCTTGACCCGG 1222
DB 543 CTGGCCATCATGCTCTCGGCCACTTTAACCATTCCTCCATTCGCAATGTTCTTGACCCGG 602
QY 1223 TTTGGCAAGACACAGCTGTATATGTGGATCTCATCAGCAGTGCCTTTCTCATCTTG 1282
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QY 1283 GTGGCCCTCATGGAGATAACCTCATCATATACATATGCGGTAGCTGTGGCAGCTGGCATC 1342
DB 663 GTGGCCCTCATGGAGATAACCTCATCATATGCGGTAGCTGTGGCAGCTGGCATC 722
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DB 783 CATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCACTTCTTCTCTCTATGCTTC 842
QY 1463 TTCACCAAGTTTGCTCTGGAGTGTCACTGGGCAATTTCTACCCCTCAGTCTGCACTTTGCA 1522
DB 843 TTCACCAAGTTTGCTCTGGAGTGTCACTGGGCAATTTCTACCCCTCAGTCTGCACTTTGCA 902
QY 1523 GGTACCAAGCCGCTGGTGTCTCGAGCCGGAAGTGTCAAGTTTACACTGAACATGCTC 1582
DB 903 GGTACCAAGCCGCTGGTGTCTCGAGCCGGAAGTGTCAAGTTTACACTGAACATGCTC 962
QY 1583 GTGACCATGGCTCCCATAGTTTCTCATCTGCTGGCCCTGCTCTCAAAATGTACCCC 1642
DB 963 GTGACCATGGCTCCCATAGTTTCTCATCTGCTGGCCCTGCTCTCAAAATGTACCCC 1022
QY 1643 ATTGATGAGGAGAGCGCGCG 1663
DB 1023 ATTGATGAGGAGAGCGCGCG 1043

RESULT 5
AL576274/c
LOCUS AL576274 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
DEFINITION clone CSODI073YJ11 3-PRIME, mRNA sequence.
ACCESSION AL576274
VERSION AL576274.2 GI:31314562
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 1201)
AUTHORS Li.W.B., Gruber.C., Jessee.J. and Polayes.D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
COMMENT On Feb 16, 2001 this sequence version replaced gi:12938255.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODI073CE06NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI073CE06NP1.
Location/Qualifiers

FEATURES

source

1..1201
/organism="Homo sapiens"
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/db_xref="taxon:9606"
/clone="CSODI073YJ11"
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoRV
sites of the pCMVSPORT 6 vector. Library was normalized."

BASE COUNT 301 a 284 c 327 g 254 t 35 others

ORIGIN

Query Match 35.2%; Score 753; DB 9; Length 1201;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 803; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1136 TTCGCCATGATTCAGAAATCTACTCTGGCCATCATCTCTCGGCCACTTTACCACTT 1195
DB 976 TTCGCCATGAAATTCAGAAATCTACTCTGGCCATCATCTCTCGGCCACTTTACCACTT 917
QY 1196 CCCATCTGGCAGTGTCTTGTGACCCGGTTTGGCAAGACAGAGCTGTATATGTTGGGATC 1255


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Db      226  GCTGCACTGCAAGTGTCTAGGAAGGAAGTGAAGACTGAAGAGTGGCCAGGACACTTG 167
QY      1894  CTGTGCTCACTGTGGGCGGCTGCTGTGGCTTCCTCCCTCTGCTGCTGCTG 1953
Db      166  CTGTGCTCACTGTGGGCGGCTGCTGTGGCTTCCTCCCTCTGCTGCTGCTG 107
QY      1954  GG 1955
Db      106  GG 105

RESULT 7
AL548198
LOCUS      1201 bp      mRNA      linear      EST 31-MAY-2003
DEFINITION AL548198 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0DI034YI18 5-PRIME, mRNA sequence.
ACCESSION AL548198
VERSION    AL548198.2 GI:31270026
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS    Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE      1 (bases 1 to 1201)
JOURNAL    Full-length cDNA libraries and normalization
COMMENT    Unpublished
On Feb 15, 2001 this sequence version replaced gi:12882978.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI034BE090Plscluster-1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DI034BE090Pl.
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                     primer. Five prime end enriched, double-strand cDNA was
                     digested with Not I and cloned into the Not I and EcoR V
                     sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT  244 a 331 c 314 g 270 t 42 others
ORIGIN
Query Match      32.7%; Score 701; DB 9; Length 1201;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 921; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY      37  GCCGGCTGTGCTAGCGCGCGCGCGCTGTGCTAGGCTGCTAGGAGCGAGCTTGGAGG 96
Db      71  GCCGGCTGTGCTAGCGCGCGCGCGCTGTGCTAGGCTGCTAGGAGCGAGCTTGGAGG 130
QY      97  AGCAGCGGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCG 156
Db      131  AGCAGCGGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCG 190
QY      157  CGGCTATGCCCAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGCTGTACCCACC 216
Db      191  CGGCTATGCCCAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGCTGTACCCACC 250
QY      217  AGCATCTCAAAGCACTTAACCGCGCGCGCGAGGTGAAGAAAGAACCCGAAAAAGAGAAA 276
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Db      251  AGCATCTCAAAGCACTGAAGCGCGCGCGCGAGTGAAGAAAGAACCGAAAAAGAGAAA 310
QY      277  CAACAGTTGTCTGTGTTGCAACAAGCTTTGCTATGCATTTGGGGGAGAGCCCTTACCAGTG 336
Db      311  CAACAGTTGTCTGTGTTGCAACAAGCTTTGCTATGCATTTGGGGGAGAGCCCTTACCAGTG 370
QY      337  ACGGGCTGTGCCCTCGGGTTCTTCTTCAGATACCTATTGGATTTGGGTGAGTGGCGTGGC 396
Db      371  ACGGGCTGTGCCCTCGGGTTCTTCTTCAGATACCTATTGGATTTGGGTGAGTGGCGTGGC 430
QY      397  CTTTCTCTGCTCCATCATCTGTTGTGGCGCGAGCTGGATGCCATCACAGACCCC 456
Db      431  CTTTCTCTGCTCCATCATCTGTTGTGGCGCGAGCTGGATGCCATCACAGACCCC 490
QY      457  CTGTTGGGCTCTGCTATCAGCAAAATCCCGCTGGAGCTGCCCTGGGTGGCTTTATGCCCTGG 516
Db      491  CTGTTGGGCTCTGCTATCAGCAAAATCCCGCTGGAGCTGCCCTGGGTGGCTTTATGCCCTGG 550
QY      517  ATCATCTCTCACGCCCTGGCGTCAATTCGCTACTTCTCTCATCTGTTGCTGCGCCGAC 576
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QY      577  TTCCACACAGCGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAAACAATGGTC 636
Db      611  TTCCACACAGCGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAAACAATGGTC 670
QY      637  ACGTGTTCCTCATGTTCCTACTCGGCTCTCACCATTTCATCAGAACCGAGACAGCTGA 696
Db      671  ACGTGTTCCTCATGTTCCTACTCGGCTCTCACCATTTCATCAGC-ACCGAGCAGACTGA 729
QY      697  GCGGATTCGCCACCGCTATCGGATGCTGGAAGTGGTGGCAGAGTGGTGGCGAC 756
Db      730  GCGGATTCGCCACCGCTATCGGATGCTGGAAGTGGTGGCAGAGTGGTGGCGAC 789
QY      757  GCGCATCCAGGACAAATCGTGGGCAAGCAGACAGCGCTTGTTCAGAGACTTCAATAG 816
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QY      817  CTCTACAGTAGCTTCACAAAGTGCCAAACATACATACATGCGACCTTCCACAGGAGAAC 876
Db      850  CTCTACAGTAGCTTCACAAAGTGCCAAACATACATACATGCGACCTTCCACAGGAGAAC 909
QY      877  GCAAAAGCATACCTGCTGGCAGCGGGTCTATCTGCTATCTATATAATCTGTGCTGT 936
Db      910  GCAAAAGCATACCTGCTGGCAGCGGGTCTATCTGCTATCTATATAATCTGTGCTGT 969
QY      937  CATCTGTATCTCTGGCGTGGCGGA 960
Db      970  CATCTGTATCTCTGGCGTGGCGGA 993

RESULT 8
BM763764
LOCUS      700 bp      mRNA      linear      EST 04-MAR-2002
DEFINITION K-EST0045162 S3SNU16s1 Homo sapiens cDNA clone S3SNU16s1-6-H10 5',
mRNA sequence.
ACCESSION BM763764
VERSION    BM763764.1 GI:19093379
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS    Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
           1 (bases 1 to 700)
           Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R.,
           Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
           Kim,Y.S.
           21C Frontier Korean EST Project 2001
           Unpublished
           Contact: Kim YS
           Genome Research Center
           Korea Research Institute of Bioscience & Biotechnology
           52 Boeun-dong Yuseong-gu, Daejeon 305-333, South Korea
```


Tel: +82-42-860-4470
 Fax: +82-42-860-4409
 Email: yongsung@mail.kribb.re.kr
 Plate: 6 row: H column: 10
 High quality sequence stop: 700.
 Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="S3SNU16s1-6-H10"
 /sex="F"
 /tissue_type="Ascites"
 /cell_type="Lymphoblast-like"
 /cell_line="SNU-16"
 /lab_host="Top10F"
 /clone_lib="S3SNU16s1"
 /note="Organ: Stomach; Vector: pTZ18RPl; Site_1: EcoRI; Site_2: NotI; The poly (A)+ RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped with tabacco acid pyrophosphatase (TAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoRI I site by treatment of T4 RNA ligase and the first strand cDNA was synthesized from oligo dr-selected mRNA by priming with dr-tailed vector. The dr-tailed vector was adjusted to have about 60nt. The cDNA vector after circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama-Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10F by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library. After analyzing and sequencing about 2,000 - 3,000 colonies in original cDNA library, the abundant cDNAs were selected and amplified by PCR reaction using vector region primer including T7 promoter as 5' primer and N(dT)14 as 3' primer. The PCR products were used as template for synthesis of biotinylated single stranded RNA by in vitro transcription reaction. The synthesized RNA probes were hybridized with antisense single stranded cDNAs prepared from original library and incubated with avidin-gel. After removing DNA-RNA hybrids by centrifuge, the subtracted cDNA libraries were constructed by transformation of the remaining DNA into competent cells E. coli Top10F with electroporation method."

FEATURES

source

BASE COUNT 140 a 207 c 172 g 181 t
 ORIGIN
 Query Match 32.7%; Score 700; DB 12; Length 700;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 700; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1087 CATGCTGGTGGAGGGAACCTTCTGTTTTCACCTACACCTTGGGCTTCGCAATGA 1146
 DB 1 CATGCTGGTGGAGGGAACCTTCTGTTTTCACCTACACCTTGGGCTTCGCAATGA 60
 QY 1147 ATTCCAGAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCATCCCATCTGGCA 1206
 DB 61 ATTCCAGAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCATCCCATCTGGCA 120
 QY 1207 GTGGTTCTTGACCCGGTTTGGCAAGACAGCTGTATATGTTGGGATCTCATCAGCAGT 1266
 DB 121 GTGGTTCTTGACCCGGTTTGGCAAGACAGCTGTATATGTTGGGATCTCATCAGCAGT 180
 QY 1267 GCCATTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATATACATATCGGTAGC 1326
 DB 181 GCCATTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATATACATATCGGTAGC 240
 QY 1327 TGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCCTGCTGCTGA 1386
 DB 241 TGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCCTGCTGCTGA 300

QY 1387 TGTCAATTGAGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCATCTTCTT 1446
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 QY 1507 CAGTCTGGACTTTTGCAGGTTACCAAGCTGCTGCTCCGACCCGGAACGTTGTCAAGTT 1566
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 DB 481 TACACTGAACATGCTCGTGACCATGCTCCATAGTGTCTCATCTGCTGGGCTGTGCT 540
 QY 1627 CTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCGGCAATAAGAGGCCCTGCGAGC 1686
 DB 541 CTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCGGCAATAAGAGGCCCTGCGAGC 600
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 DB 601 ACTGAGGAGCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 660
 QY 1747 CATCTCTAGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1786
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RESULT 9

BI227367

LOCUS

DEFINITION

602951327F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:5095662 5',

mRNA sequence.

ACCESSION

BI227367

VERSION

BI227367.1 GI:14680811

KEYWORDS

EST.

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 695)

NIH-MGC http://mgs.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished

JOURNAL

COMMENT

Contact: Robert Strausberg, Ph.D.

Email: cgabs-r@mail.nih.gov

Tissue Procurement: Louis M. Staudt, M.D., Ph.D.

CDNA Library Preparation: Ling Hong/Rubin Laboratory

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LICMI866 row: e column: 07

High quality sequence stop: 694.

Location/Qualifiers

1. .695

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/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:5095662"

/tissue_type="Burkitt lymphoma"

/lab_host="DH10B (phage-resistant)"

/clone_lib="NIH_MGC_8"

/note="Organ: lymph; Vector: pOTB7; Site_1: XhoI; Site_2:

EcoRI; cDNA made by oligo-dT priming. Directionally

cloned into EcoRI/XhoI sites using the following 5'

adaptor: GGACGAG(G). Size-selected >500bp for average

insert size 1.8kb. Library constructed by Ling Hong in

the laboratory of Gerald M. Rubin (University of

California, Berkeley) using 2AP-cDNA synthesis kit

(Stratagene) and Superscript II RT (Life Technologies)."

BASE COUNT 132 a 206 c 162 g 195 t

ORIGIN

Query Match 31.6%; Score 676; DB 12; Length 695;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 676; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 964 GAGAGACCCATGAGCCAGCAGCTGTAGCCAAATGCGCTTACCTTCGCGGGCCCTACGGCT 1023

DB 20 GAGAGACCCATGAGCCAGCAGCTGTAGCCAAATGCGCTTACCTTCGCGGGCCCTACGGCT 79

QY 1024 GGTATGAGCCAGCCGCCCATACATCAAACTTATTACTGGCTTCTCTTACCTCTCGCTTGGC 1083

DB 80 GGTATGAGCCAGCCGCCCATACATCAAACTTATTACTGGCTTCTCTTACCTCTCGCTTGGC 139

QY 1084 TTTATGCTGTGGAGGGAACTTGTCTTTTGGACCTTACACCTTGGCTTGGCTTCCGCAA 1143

DB 140 TTTATGCTGTGGAGGGAACTTGTCTTTTGGACCTTACACCTTGGCTTGGCTTCCGCAA 199

QY 1144 TGAATTCAGAAATCTACTCTCGGCATCATGCTCTCGGCCACTTTAAACCAATTCGCATCTG 1203

DB 200 TGAATTCAGAAATCTACTCTCGGCATCATGCTCTCGGCCACTTTAAACCAATTCGCATCTG 259

QY 1204 GCAGTGGTCTTGACCCGGTTTGGCAAGAACAGCTGTATGTGGGATCTCATCAGC 1263

DB 260 GCAGTGGTCTTGACCCGGTTTGGCAAGAACAGCTGTATGTGGGATCTCATCAGC 319

QY 1264 AGTGCCATTTCTACTTGTGGCCCTCATGAGAGTAACCTCATCATATACATATGCGGT 1323

DB 320 AGTGCCATTTCTACTTGTGGCCCTCATGAGAGTAACCTCATCATATATGCGGT 379

QY 1324 AGCTGTGCAGCTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGC 1383

DB 380 AGCTGTGCAGCTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGCAGTGTGGC 439

QY 1384 TGATGCTATGACGACTTCCATCTGAAGCAGCCGCTTCCATGGAACCGAGCCGATCTT 1443

DB 440 TGATGCTATGACGACTTCCATCTGAAGCAGCCGCTTCCATGGAACCGAGCCGATCTT 499

QY 1444 CTTCTCTCTATGCTTCTTCAACCAAGTTTGGCTTCTGGAGTGTGCACCTTCTTCTAC 1503

DB 500 CTTCTCTCTATGCTTCTTCAACCAAGTTTGGCTTCTGGAGTGTGCACCTTCTTCTAC 559

QY 1504 COTCAGCTGGACTTTGAGGGTACAGACCCGCTGGCTGTGCGAGCCGGAACGCTGTCAA 1563

DB 560 COTCAGCTGGACTTTGAGGGTACAGACCCGCTGGCTGTGCGAGCCGGAACGCTGTCAA 619

QY 1564 GTTTACACTGACATGCTCGTCAACCATGCTCCCATAGTCTTCTATCCCTGGGCTGCT 1623

DB 620 GTTTACACTGACATGCTCGTCAACCATGCTCCCATAGTCTTCTATCCCTGGGCTGCT 679

QY 1624 GCTCTTCAAAATGTAC 1639

DB 680 GCTCTTCAAAATGTAC 695

RESULT 10

AL572843/c

LOCUS

DEFINITION

AL572843 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA

clone CS0DI034YI18 3-PRIME, mRNA sequence.

ACCESSION

AL572843

VERSION

EST.

KEYWORDS

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1201)

Li.W.B., Gruber,C., Jessee,J. and Polayes,D.

Full-length cDNA libraries and normalization

JOURNAL

Unpublished

COMMENT

On Feb 16, 2001 this sequence version replaced gi:12931503.

Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI034BE09NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DI034BE09NP1.
location/Qualifiers
1. .1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI034YI18"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

BASE COUNT 274 a 283 c 332 g 239 t 73 others

ORIGIN

Query Match 31.3%; Score 670; DB 9; Length 1201;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 720; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1167 CCATCATGCTCTCGGCCACTTTAACCATTCCTCCATCTGGCAGTGTGTTGACCCGGTTG 1226

DB 950 CCATCATGCTCTCGGCCACTTTAACCATTCCTCCATCTGGCAGTGTGTTGACCCGGTTG 891

QY 1227 GCAGAGACAGCTGTATGTGGGATCTCATCAGCAGTCCCATTTCTCATCTTGTGTG 1286

DB 890 GCAAGAGACAGCTGTATGTGGGATCTCATCAGCAGTCCCATTTCTCATCTTGTGTG 831

QY 1287 CCCTCATGGAGAGTAACCTCATATATATGCGGTAGCTGTGGCAGCTGGCAGCTTCCATC 1346

DB 830 CCCTCATGGAGAGTAACCTCATATATATGCGGTAGCTGTGGCAGCTGGCAGCTTCCATC 771

QY 1347 TGGCAGCTGCTTCTTACTACCTGCTCCATGCTGCTGATGTCATTCAGCAGCTTCCATC 1406

DB 770 TGGCAGCTGCTTCTTACTACCTGCTCCATGCTGCTGATGTCATTCAGCAGCTTCCATC 711

QY 1407 TGAAGCAGCCCACTTCCATGGAACCGAGCCCATCTTCTCTCTCTATGCTTCTTCA 1466

DB 710 TGAAGCAGCCCACTTCCATGGAACCGAGCCCATCTTCTCTCTCTATGCTTCTTCA 651

QY 1467 CCAAGTTTGCCTTGGAGTGTACCTGGCAGTGTACCTTCTACCTCAGTCTGGACCTTGCAGGT 1526

DB 650 CCAAGTTTGCCTTGGAGTGTACCTGGCAGTGTACCTTCTACCTCAGTCTGGACCTTGCAGGT 591

QY 1527 ACCAGACCCGTGGCTGCTCGCAGCGGAACTGTCAAGTTTACACTGAACATGCTCGTGA 1586

DB 590 ACCAGACCCGTGGCTGCTCGCAGCGGAACTGTCAAGTTTACACTGAACATGCTCGTGA 531

QY 1587 CCATGGCTCCCATATGTTCTCATCTCTGCTGGCCCTGCTGCTCTCAAAATGACCCCATG 1646

DB 530 CCATGGCTCCCATATGTTCTCATCTCTGCTGGCCCTGCTGCTCTCAGAATGACCCCATG 471

QY 1647 ATGAGGAGAGCGGGGCGAGAAATGAAGAGCCCTGCAGGCACTGAGGAGCCGAGCA 1706

DB 470 ATGAGGAGAGCGGGGCGAGAAATGAAGAGCCCTGCAGGCACTGAGGAGCCGAGCA 411

QY 1707 GCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGCGCCGCCAC 1766

DB 410 GCTCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGCGCCGCCAC 351

QY 1767 GTTCCCGAGCCCACTATGTCAGAGGCGCACAGAGGATCAGACCTGTCTGCGCGCTTG 1826


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Db 310 ACGGGCTGTGCCCTGGGGTTCTTCCCTTCAGATACCTATTGGATGTGGCTACAGTGGGC 369
QY 397 CTTTCTCTCCCTCCATCATCTCTGTTTGTGGCGGAGCCCTGGGATGCATCACAGACCCC 456
Db 370 CTTTCTCTCCCTCCATCATCTCTGTTTGTGGCGGAGCCCTGGGATGCATCACAGACCCC 429
QY 457 CTGGTGGGCTCTGCTATCAGCAAAATCCCTCGACCTGCTGGGTGCGCTTATGCCCTGG 516
Db 430 CTGGTGGGCTCTGCTATCAGCAAAATCCCTCGACCTGCTGGGTGCGCTTATGCCCTGG 489
QY 517 ATCATCTCTCCAGCGCCCTGGCGGCTCATTTGCTTCTTATTCCTTCTGTTGGTGGCGGAC 576
Db 490 ATCATCTCTCCAGCGCCCTGGCGGCTCATTTGCTTCTTATTCCTTCTGTTGGTGGCGGAC 549
QY 577 TTCCACACGCGCAGACCTATTGGTACTCTGCTTCTTATTCCTTCTTGAACAATGGTC 636
Db 550 TTCCACACGCGCAGACCTATTGGTACTCTGCTTCTTATTCCTTCTTGAACAATGGTC 609
QY 637 ACCTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 682
Db 610 ACCTGTTTCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 655

RESULT 14
BQ642553
LOCUS
DEFINITION BQ642553 910 bp mRNA linear EST 15-JUL-2002
5', mRNA sequence.
ACCESSION BQ642553
VERSION BQ642553.1 GI:21766725
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 910)
NIH-MGC http://mgi.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Lou Staudt
cDNA Library Preparation: Rubin Laboratory
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LICM2527 row: a column: 23
High quality sequence stop: 686.
Location/Qualifiers
1. 910
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6305182"
/tissue_type="lymphoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC.99"
/notes="Organ: lymph; Vector: pOTB7; Site:1: XhoI; Site:2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGACGAG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life technologies). Note: this is a NIH_MGC
Library."
BASE COUNT 175 a 291 c 260 g 184 t
ORIGIN

Query Match 30.2%; Score 646; DB 13; Length 910;
Best Local Similarity 100.0%; Pred. No. 0;
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Matches 646; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 37 GCCGGCTTGGCTAGCGCGCGCGCGCTACGAGGTGCTACGAGCGAGCTTGGGAGG 96
Db 38 GCCGGCTTGGCTAGCGCGCGCGCGCTAGGCTTACGAGCGAGCTTGGGAGG 97
QY 97 AGCAGCGCGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGCGCGTGGCCCG 156
Db 98 AGCAGCGCGCTGCGGGGCGAGAGGAGCATCCCGTCTACCAAGCGCGTGGCCCG 157
QY 157 CGGGTATGSCCAAGAGAGAGGCGCGGAGAGCGGCTCCGCGGGGGGCTGCTACCCACC 216
Db 158 CGGGTATGSCCAAGAGAGAGGCGCGGAGAGCGGCTCCGCGGGGGGCTGCTACCCACC 217
QY 217 AGCATCTCTCCAAAGCACTGAACGCGCGGCGGAGGAGAAAGAAAGAAAGAGAAA 276
Db 218 AGCATCTCTCCAAAGCACTGAACGCGCGGCGGAGGAGAAAGAAAGAAAGAGAAA 277
QY 277 CAACAGTGTGCTGTTTGCACAAAGCTTTGCTATGCATTTGGGGAGGAGGAGGAGTG 336
Db 278 CAACAGTGTGCTGTTTGCACAAAGCTTTGCTATGCATTTGGGGAGGAGGAGGAGTG 337
QY 337 ACGGGCTGTGCCCTGGGTTTCTTCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 396
Db 338 ACGGGCTGTGCCCTGGGTTTCTTCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 397
QY 397 CTTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCGCTGGGATGCCATCACAGACCCC 456
Db 398 CTTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCGCTGGGATGCCATCACAGACCCC 457
QY 457 CTGTTGGGCTCTGCATCAGCAAAATCCCGCTGAGCTGCGCTGGGTCGCTTATGCCCTGG 516
Db 458 CTGTTGGGCTCTGCATCAGCAAAATCCCGCTGAGCTGCGCTGGGTCGCTTATGCCCTGG 517
QY 517 ATCATCTCTCCAGCGCCCTGGCGGCTCATTTGCTTCTTCTTATTCCTTCTTGAACAATGGTC 576
Db 518 ATCATCTCTCCAGCGCCCTGGCGGCTCATTTGCTTCTTCTTATTCCTTCTTGAACAATGGTC 577
QY 577 TTCCACACGCGCAGACCTATTGGTACTCTGCTTCTTATTCCTTCTTGAACAATGGTC 636
Db 578 TTCCACACGCGCAGACCTATTGGTACTCTGCTTCTTATTCCTTCTTGAACAATGGTC 637
QY 637 ACGTGTTCCTGATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 682
Db 638 ACGTGTTCCTGATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 683

RESULT 15
BQ068006
LOCUS
DEFINITION BQ068006 1090 bp mRNA linear EST 02-APR-2002
5', mRNA sequence.
ACCESSION BQ068006
VERSION BQ068006.1 GI:19897052
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1090)
NIH-MGC http://mgi.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12829 row: m column: 15
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RESULT 16
CB996516

|||||
352 GTGCCCTGGGTTCTTCTTCAGATACCTATTTGGATGTGGCTCAGGTGGCCCTTTCT 411
QY 404 CTGCTCCATCATCTCTTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGTGG 463
Db 412 CTGCTCCATCATCTCTTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGTGG 471
QY 464 GCCTCTGCATCAGCAATCCCTGGACCTGCCTGGCTGCCTTTATGCCCTGGATCATCT 523
Db 472 GCCTCTGCATCAGCAATCCCTGGACCTGCCTGGCTGCCTTTATGCCCTGGATCATCT 531
QY 524 TCTCCAGCCCTGGCGCTCATTTGCCCTACTTCTCATCTCTGGTTCGTCGCCGACTTCCAC 583
Db 532 TCTCCAGCCCTGGCGCTCATTTGCCCTACTTCTCATCTCTGGTTCGTCGCCGACTTCCAC 591
QY 584 ACGCCAGACACTATTGGTACTGCTTTTCTATTGCTCTTTTGAACAATGGTCACTGTT 643
Db 592 ACGCCAGACACTATTGGTACTGCTTTTCTATTGCTCTTTTGAACAATGGTCACTGTT 651
QY 644 TCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 682
Db 652 TCCATGTTCCCTACTCGGCTCTCACCATGTTTCATCAGCA 690

RESULT 17
BX101885
LOCUS
DEFINITION BX101885 Soares placenta Nb2Hp Homo sapiens cDNA clone
IMAGE:998H12215 ; IMAGE:144059, mRNA sequence.
BX101885
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Ebert,L., Hell,O., Hennig,S., Neubert,P., Partsch,E., Peters,M.,
Radelof,U., Schneider,D. and Korn,B.
Human UnigeneSet - RZPD3
Unpublished
Contact: Ina Rolfs
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany
RZPD; IMAGP998H12215.
RZPDLIB; I.M.A.G.E. cDNA Clone Collection;
http://www.rzpd.de/CloneCards/cgi-
bin/showlib.pl.cgi/responder?libNo=972 Contact: Ina Rolfs
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Heubnerweg 6, D-14059 Berlin, Germany
Tel: +49 30 32639 101
Fax: +49 30 32639 111
www.rzpd.de
This clone is available royalty-free from RZPD;
contact RZPD (clone@rzpd.de) for further information. Seq primer:
M13r, Primer sequence: TTTCACAGCAAGAACAGCTATGAC.
Location/Qualifiers
1. .661
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGP998H12215 ; IMAGE:144059"
/sex="Female"
/dev_stage="placenta obtained at birth (full term)"
/lab_host="DH10B (ampicillin resistant)"
/clone_lib="Soares placenta Nb2Hp"
/note="Organ: placenta; Vector: pT7n3D (Pharmacia) with a
modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st
strand cDNA was primed with a Not I - oligo(dT) primer [5'
AAGTGGAGAAATCGGCGCCGACGAGATTTTCTTTTCTTTT 3']
double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I

FEATURES
source

and Eco RI sites of the modified pT7n3 vector. Library
went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo. "
BASE COUNT 125 a 192 c 154 g 189 t 1 others
ORIGIN
Query Match 29.7%; Score 637; DB 13; Length 661;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 637; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 928 CTGTGCTGTATCTGATCCTGGCGGTGCGGGACAGAGAACCCCTATGAAGCCACGA 987
Db 24 CTGTGCTGTATCTGATCCTGGCGGTGCGGGACAGAGAACCCCTATGAAGCCACGA 83
QY 988 GTCTGAGCCCAATCCCTACTTCCGGGGCTACGGCTGTATGAGCCACGCCCCATACAT 1047
Db 84 GTCTGAGCCCAATCCCTACTTCCGGGGCTACGGCTGTATGAGCCACGCCCCATACAT 143
QY 1048 CAAACTTATTACTGGCTTCTTTCACCTCTTGGCTTTTCATGCTGTGGAGGGAACCTT 1107
Db 144 CAAACTTATTACTGGCTTCTTTCACCTCTTGGCTTTTCATGCTGTGGAGGGAACCTT 203
QY 1108 TGTCTTGTGTCACCTACACCTTGGGCTTCCGCAATGAATCCAGATCTACTCTCCG 1167
Db 204 TGTCTTGTGTCACCTACACCTTGGGCTTCCGCAATGAATCCAGATCTACTCTCCG 263
QY 1168 CATCATGCTCTCGGCCACTTTAAACCATTTCCCATCTGGCAGTGGTTCTTGACCCCGTTGG 1227
Db 264 CATCATGCTCTCGGCCACTTTAAACCATTTCCCATCTGGCAGTGGTTCTTGACCCCGTTGG 323
QY 1228 CAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGGCCATTTCTCAFTCTTGGTGGC 1287
Db 324 CAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGGCCATTTCTCAFTCTTGGTGGC 383
QY 1288 CCTCATGGAGAGTAACTCATATATGTCGGTAGCTGGCAGCTGGCATCAGTGT 1347
Db 384 CCTCATGGAGAGTAACTCATATATGTCGGTAGCTGGCAGCTGGCATCAGTGT 443
QY 1348 GGCAGCTGCCTTCTTACTACCTGCTGCCTGATGTCATTTGACGACTTCCCATCT 1407
Db 444 GGCAGCTGCCTTCTTACTACCTGCTGCCTGATGTCATTTGACGACTTCCCATCT 503
QY 1408 GAAGCAGCCGCTTCCATGGAACCGGCCCATCTTCTTCTTCTTCTATGCTTCTTCTAC 1467
Db 504 GAAGCAGCCGCTTCCATGGAACCGGCCCATCTTCTTCTTCTTCTATGCTTCTTCTTCTAC 563
QY 1468 CAAGTTTGGCTCTCGAGTGTACCTGGCAGTGTCTACCTCAGTCTGGACTTTGCGAGGTA 1527
Db 564 CAAGTTTGGCTCTCGAGTGTACCTGGCAGTGTCTACCTCAGTCTGGACTTTGCGAGGTA 623
QY 1528 CCAGACCCGCTGCTCGCAGCGCGGAACGCTGTCAAG 1564
Db 624 CCAGACCCGCTGCTCGCAGCGCGGAACGCTGTCAAG 660

RESULT 18
BM974754/c
LOCUS
DEFINITION BM974754 696 bp mRNA linear EST 20-FEB-2003
UI-CF-EC1-acd-a-10-0-UI.s1 UI-CF-EC1 Homo sapiens cDNA clone
BM974754
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Bonaldo,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477

PUBMED
COMMENT

8889548
Contact: McCray, PB
McCray Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@iowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com) or from Open Biosystems
(www.openbiosystems.com).
Seq primer: M13 FORWARD
POLYA=Yes.

FEATURES

source

Location/Qualifiers
1..596
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/dev_stage="Adult and Fetal"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-CF-EC1"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a
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UT-CF-EC1 is a normalized cDNA library containing the
following tissue(s): Normal lung from adult and from fetal
day 64, day 87, week 19 and week 42. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT73-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
AAGTCTTAC.
TAG.LIB=UI-CF-EC1
TAG.TISSUE=Normal Lung Epithelial Cells Tissue nos 369-371
and 380-383
TAG.SEQ=AACTGCTTAC"

BASE COUNT 155 a 188 c 181 g 171 t 1 others

Query Match 29.1%; Score 624; DB 12; Length 696;
Best Local Similarity 100.0%; Pred. No. 4.9e-311;
Matches 624; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1519 TGCAGGGTACCAAGCCCGTGGCTGCTCGCAGCCGGAACGTGTCAAAGTTTACACTCAACAT 1578
DB 642 TGCAGGGTACCAAGCCCGTGGCTGCTCGCAGCCGGAACGTGTCAAAGTTTACACTCAACAT 583
QY 1579 GCTCGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCGCTGCTGCTCTTCAAAATGTA 1638
DB 582 GCTCGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCGCTGCTGCTCTTCAAAATGTA 523
QY 1639 CCCATTGATGAGGAGCGCGCGGCAGCAATAAGAGCCCTGCGAGGCACTGAGGAGCA 1698
DB 522 CCCATTGATGAGGAGCGCGCGGCAGCAATAAGAGCCCTGCGAGGCACTGAGGAGCA 463
QY 1699 GGCACAGAGCTGCTGCTCAGAAACAGACTCCACAGAGTGGCTAGCATCTCTAGGG 1758
DB 462 GGCACAGAGCTGCTGCTCAGAAACAGACTCCACAGAGTGGCTAGCATCTCTAGGG 403
QY 1759 CCCGCCAGTGGCCCGAGGCCACCATGTCAGAGGCCACAGAGGGGATCAGGACCTGTCTG 1818
DB 402 CCCGCCAGTGGCCCGAGGCCACCATGTCAGAGGCCACAGAGGGGATCAGGACCTGTCTG 343

QY 1819 CCGGCTTGCTGAGCAGCTGGAGCTGCAGGTGCTAGGAAGGAACTGAAGAGTCAAGAGGT 1878
DB 342 CCGGCTTGCTGAGCAGCTGGAGCTGCAGGTGCTAGGAAGGAACTGAAGAGTCAAGAGGT 283
QY 1879 GCGCCAGGACACTTCTGCTCACTGTGGGCGCGGCTGCTGTGGCTCTCGCTCCCTCC 1938
DB 282 GCGCCAGGACACTTCTGCTCACTGTGGGCGCGGCTGCTGTGGCTCTCGCTCCCTCC 223
QY 1939 CTCTGCTGCTGCTGGGCGCAAGCCCTGGGCTGCACTGTGAATATGCCAAGGACTGAT 1998
DB 222 CTCTGCTGCTGCTGGGCGCAAGCCCTGGGCTGCCACTGTGAATATGCCAAGGACTGAT 163
QY 1999 CGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTTTACAGAGCTTAATTAACCT 2058
DB 162 CGGGCTAGCCCGGAACACTAATGTAGAAACCTTTTTTACAGAGCTTAATTAACCT 103
QY 2059 TAATGACTGTGTACATAGCAATGTGTATGTATGTATGTCTGTGAGCTATTAAATGTTAT 2118
DB 102 TAATGACTGTGTACATAGCAATGTGTATGTATGTATGTCTGTGAGCTATTAAATGTTAT 43
QY 2119 TAATTTTCATAAAGCTGGAAGC 2142
DB 42 TAATTTTCATAAAGCTGGAAGC 19

RESULT 19
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LOCUS
DEFINITION AL553213 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0DI073YJ11 5-PRIME, mRNA sequence.
ACCESSION AL553213
VERSION AL553213.2 GI:31275027
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1201)
AUTHORS Li.W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
COMMENT On Feb 15, 2001 this sequence version replaced gi:12892839.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI073CE06QPl&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DI073CE06QPl.

FEATURES

source

Location/Qualifiers
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/db_xref="taxon:9606"
/clone="CS0DI073YJ11"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT 270 a 317 c 305 g 287 t 22 others
ORIGIN

Query Match 29.1%; Score 624; DB 9; Length 1201;
Best Local Similarity 99.5%; Pred. No. 5.1e-311;
Matches 944; Conservative 0; Mismatches 4; Indels 1; Gaps 1;


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Qy 685 CGAGCAGACTGAGCGGATTTGCCCACCGCTATCGATGACTGTGGAAGTGTGGGCAC 744
Db 66 CGAGCAGACTGAGCGGATTTGCCCACCGCTATCGATGACTGTGGAAGTGTGGGCAC 125
Qy 745 AGTCTGGGACGCGGATCCAGGACAAATCGTGGGCAAGCAGACAGCGCTTTGTTCCA 804
Db 126 AGTCTGGGACGCGGATCCAGGACAAATCGTGGGCAAGCAGACAGCGCTTTGTTCCA 185
Qy 805 GGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGCACAAACCATACATGCACACCTTC 864
Db 186 GGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGCACAAACCATACATGCACACCTTC 245
Qy 865 ACACAGGAAACGCAAGGACATACCTGTGGCAGCGGGGTGATTTCTGTATCTATAT 924
Db 246 ACACAGGAAACGCAAGGACATACCTGTGGCAGCGGGGTGATTTCTGTATCTATAT 305
Qy 925 AATCTGTGCTGATCTGATCTGCTGCGGCTGCGGAGCAGAGAAACCTATGAAGCCCA 984
Db 306 AATCTGTGCTGATCTGATCTGCTGCGGCTGCGGAGCAGAGAAACCTATGAAGCCCA 365
Qy 985 GCAGTCTGAGCAATCGCTACTTCCGCGGCTTACGGCTGCTCATGAGCCACGCGCCATA 1044
Db 366 GCAGTCTGAGCAATCGCTACTTCCGCGGCTTACGGCTGCTCATGAGCCACGCGCCATA 425
Qy 1045 CATCAAACTTATTAATGCTTCTTTCACCTCTGCTTTCGCAATGAATCCAGATCTACTCCT 1164
Db 426 CATCAAACTTATTAATGCTTCTTTCACCTCTGCTTTCGCAATGAATCCAGATCTACTCCT 485
Qy 1105 CTTTGTCTGTTTGGACCTACACTTGGGCTTCCGCAATGAATCCAGATCTACTCCT 1164
Db 486 CTTTGTCTGTTTGGACCTACACTTGGGCTTCCGCAATGAATCCAGATCTACTCCT 545
Qy 1165 GGCCATCATGCTCTCGGCCACTTTAAACCATPCCCATCTGGCAGTGGTCTTGACCCGGTT 1224
Db 546 GGCCATCATGCTCTCGGCCACTTTAAACCATPCCCATCTGGCAGTGGTCTTGACCCGGTT 605
Qy 1225 TGGCAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCATTTCTATCTTGGT 1284
Db 606 TGGCAAGAAGACAGCTGTATATGTTGGGATCTCATCAGCAGTGCATTTCTATCTTGGT 665
Qy 1285 GGCCCTCATGAGAGTAACTCATCATATACATATGCGGTAGCTGCGAGCTGGCATCAG 1344
Db 666 GGCCCTCATGAGAGTAACTCATCATATATGCGGTAG-TGTGGCAGCTGGCATCAG 724
Qy 1345 TGTGGCAGCTGCCCTTACTTACCTGCTGCCTGATGCTCATTTGACGACTTCCA 1404
Db 725 TGTGGCAGCTGCCCTTACTTACCTGCTGCCTGATGCTCATTTGACGACTTCCA 784
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Db 785 TCTGAAGAGCGCCCTTCCATGGAACCGGACCATCTTCTTCTCTCTATGCTTCTT 844
Qy 1465 CACCAAGTTTCCCTCTGGAGTGCACCTGGGATTTTACCCCTCAGCTGCGACTTGGCAG 1524
Db 845 CACCAAGTTTCCCTCTGGAGTGCACCTGGGATTTTACCCCTCAGCTGCGACTTGGCAG 904
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Db 905 GTACCAAGCGCTGGCTGCTGCGACGCGGAACGCTGTCAAGTTTACACTGAACATGCTCGT 964
Qy 1585 GACCATGGCTCCCATAGTTCTTCATCTGCTGGGCTGCTGCTCTTCAAA 1633
Db 965 GACCATGGCTCCCATAGTTCTTCATCTGCTGGGCTGCTGCTCTTCAAA 1013
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RESULT 20
AL541052
LOCUS
DEFINITION
AL541052 Homo sapiens PLACENTA
5-PRIME, mRNA
ACCESSION
AL541052
VERSION
AL541052.2
KEYWORDS
EST.
1201 bp
linear
EST 12-MAY-2003
Homo sapiens cDNA clone CS0DE005YO19
sequence.

SOURCE
ORGANISM
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 1201)
AUTHORS
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE
Full-length cDNA libraries and normalization
JOURNAL
Unpublished
COMMENT
On Feb 15, 2001 this sequence version replaced gi:12871755.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DE005AH100Pl&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DE005AH100Pl.
FEATURES
Location/Qualifiers
1..1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DE005YO19"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."
BASE COUNT 251 a 340 c 320 g 254 t 36 others
ORIGIN

Query Match 28.6%; Score 612; DB 9; Length 1201;
Best Local Similarity 100.0%; Pred. No. 8.3e-305;
Matches 612; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 37 GCCGGCTGGCTAGCGCGCGCGCGCTGGCTGAAGCTGTACGAGCAGCGCTGGGAGG 96
Db 73 GCCGGCTGGCTAGCGCGCGCGCGCTGGCTGAAGCTGTACGAGCAGCGCTGGGAGG 132
Qy 97 AGCAGCGCTCGCGGCGCAGAGGAGCATCCCGTCTACAGGTCGCCAAGCGCGTGGCCCG 156
Db 133 AGCAGCGCTCGCGGCGCAGAGGAGCATCCCGTCTACAGGTCGCCAAGCGCGTGGCCCG 192
Qy 157 CGGGTCATGGCCAAAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGGCTGCTACCCACC 216
Db 193 CGGGTCATGGCCAAAGAGAGAGCGCGCGAGAGCGGCTCCGCGCGGGGCTGCTACCCACC 252
Qy 217 AGCATCTCCAAAGCAGCTGAACGCCGCCGCCAGGTAAGAAGAACACCAAGAAAGAAA 276
Db 253 AGCATCTCCAAAGCAGCTGAACGCCGCCGCCAGGTAAGAAGAACACCAAGAAAGAAA 312
Qy 277 CAACAGTTGCTGTTTGCACAAAGCTTTGCTATGCACTTGGGGAGCGCCCTACCAAGTG 336
Db 313 CAACAGTTGCTGTTTGCACAAAGCTTTGCTATGCACTTGGGGAGCGCCCTACCAAGTG 372
Qy 337 ACGGGCTGTGCCCTGGGTTTCTTCTCTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 396
Db 373 ACGGGCTGTGCCCTGGGTTTCTTCTCTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 432
Qy 397 CTTTCTCTGCTCCATCATCTGTTTGTGGCGCAGCGCTGGATGCGCATCACAGACCCC 456
Db 433 CTTTCTCTGCTCCATCATCTGTTTGTGGCGCAGCGCTGGATGCGCATCACAGACCCC 492
Qy 457 CTGTGTGGCCCTCTGCATCAGCAAAATCCCCCTGGACCTGCCCTGGGTTCGCTTTATGCCCTGG 516
Db 493 CTGTGTGGCCCTCTGCATCAGCAAAATCCCCCTGGACCTGCCCTGGGTTCGCTTTATGCCCTGG 552

	QY	517	ATCATCTTTCACAGCCCGCCTGGCCGTCATATGCCTACTTCTCTCAATCATTGTTTGCGGCCGAC	576	
	Dd	553	ATCATCTTTCACAGCCCGCCTGGCCGTCATATGCCTACTTCTCTCAATCATTGTTTGCGGCCGAC	612	
	QY	577	TCCCCACAGCCGACAGACCATTATGGTAGCTGTCTTTTTCTATTTAGTCCTCTTTGAACAATGGTC	636	
	Dd	613	TCCCCACAGCCGACAGACCATTATGGTAGCTGTCTTTTTCTATTTAGTCCTCTTTGAACAATGGTC	672	
	QY	637	ACGTGTTTCCAT 648		
	Dd	673	ACGTGTTTCCAT 684		
		RESULT 21			
		AL547662/c			
		LOCUS	1126 bp mRNA linear EST 31-MAY-2003		
		DEFINITION	AL547662 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CSODI008J10 3-PRIME, mRNA sequence.		
		ACCESSION	AL547662		
		VERSION	AL547662.2 GI:31269492		
		KEYWORDS	EST.		
		SOURCE	Homo sapiens (human)		
		ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
		REFERENCE	I (bases 1 to 1126)		
		AUTHORS	Li,W.B., Gruber,C.J., Jessee,J. and Polayes,D.		
		TITLE	Full-length cDNA libraries and normalization		
		JOURNAL	Unpublished		
		COMMENT	On Feb 15, 2001 this sequence version replaced gi:12881932. Contact: Genoscope Genoscope - Centre National de Sequencage BP 191 91006 EVRY cedex - France Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr Library was constructed by life technologies, a division of Invitrogen. This sequence belongs to sequence cluster 1026.f For more information about this cluster, see http://www.genoscope.cns.fr/ cgi-bin/cluster.cgi?seq=CS0DIR008DE05NP1&cluster=1026.f. Contact : Feng Liang Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com/ invitrogen Corporation 1600 Faraday Avenue Genosope sequence ID : CSODI008DE05NP1. Location/Qualifiers		
		FEATURES	. .1126 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clones="CSODI008RJ10" /tissue_type="PLACENTA COT 25-NORMALIZED" /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED" /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."		
		BASE COUNT	270 a 276 c 293 g 244 t 43 others		
		ORIGIN			
		Query Match	28.2%; Score 604; DB 9; Length 1126;		
		Best Local Similarity	99.6%; Pred. No. 1.le-300;		
		Matches	754; Conservative 0; Mismatches 3; Indels 0; Gaps 0;		
	Qy	1351	AGCTGCTTCTTAACCTGGTGGCCATATGCTGCTGATGATGACGACATTCCATCTGAA	1410	
	Dd	757	AGCTGCTTCTTAACCTGGTGGCCATATGCTGCTGATGACGACATTCCATCTGAA	698	
	Qy	1411	GCAGCCCACCTTCATGGAACCGAGCCATCTTCTTCTCTTCTATGCTCTTTCACCAA	1470	
	Dd	697	GCAGCCCACCTTCATGGAACCGAGCCATCTTCTTCTCTTCTATGCTCTTTCACCAA	638	
	Qy	1471	GTTTGGCTCTGGAGTGCTACTGGGCAFTTCTAACCTCAGTCTGGAGCTTTCGAGGGTACCA	1530	
	Dd	637	GTTTGGCTCTGGAGTGCTACTGGGCAFTTCTAACCTCAGTCTGGAGCTTTCGAGGGTACCA	578	


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327 ACGGCTGCGCCCTGGGTTTCTTCTTCCATGATACCTATTCAGATCTACCTATTCAGATGGCTCAGGTGGC 386
QY 337 CTTTCTCTGCTTCCATCATCTGTTTGTGGCCGAGCCTGGGATGCCATCACAGACCC 456
Db 387 CTTTCTCTGCTTCCATCATCTGTTTGTGGCCGAGCCTGGGATGCCATCACAGACCC 446
QY 457 CTGGTGGGCTCTGTCATCAGCAAAATCCCCCTGGACCTGCCTGGGTGCCTTTATGCGCCTGG 516
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QY 517 ATCATCTTCTCACGCCCTGGCCCTGATGCTGCTACTTCTTCCATCTGCTTGTGTCGCCGAC 576
Db 507 ATCATCTTCTCACGCCCTGGCCCTGATGCTGCTACTTCTTCCATCTGCTTGTGTCGCCGAC 566
QY 577 TTCCACACGCGCCAGACCTATTTGGTACCTGCTTTTCTATTGCTCTTTGAACAATGTC 636
Db 567 TTCCACACGCGCCAGACCTATTTGGTACCTGCTTTTCTATTGCTCTTTGAACAATGTC 626
QY 637 AGTGTCTTCCATGTTCCCTACTCGGCTCTCCACATGTTTCATCAGCA 682
Db 627 AGTGTCTTCCATGTTCCCTACTCGGCTCTCCACATGTTTCATCAGCA 672

RESULT 24
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LOCUS AGENCOURT_6626416 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5752843
5', mRNA sequence.
ACCESSION BM921411
VERSION BM921411.1 GI:19371790
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1. (bases 1 to 1048)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone Distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12787 row: k column: 20
High quality sequence stop: 569.
Location/Qualifiers
1. .1048
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5752843"
/clone_lib="NIH_MGC_115"
/note="SPORT6: Site 1: NotI; Site 2: EcoRV (destroyed); RNA
source anonymous pool of 6 male brains, age range 23-27; 1
male lung, age 27; and 1 male testis, age 69. Library is
oligo-dr primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.8 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
021. Note: this is a NIH_MGC Library."
BASE COUNT 217 a 353 c 298 g 179 t 1 others
ORIGIN
Query Match 27.5%; Score 590; DB 12; Length 1048;
Best Local Similarity 100.0%; Pred. No. 2e-293;

Matches 590; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 93 GAGGAGCAGCGCCTGCGGGCAGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGCTGG 152
Db 20 GAGGAGCAGCGCCTGCGGGCAGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGCTGG 79
QY 153 CCCGCGGTCTATGSCCAAGAGAGGCGCCGAGAGCGGTCCCGGGGGGGGCTGCTACC 212
Db 80 CCCGCGGTCTATGSCCAAGAGAGGCGCCGAGAGCGGTCCCGGGGGGGGCTGCTACC 139
QY 213 CACAGATCTCTCCAAAGCACTGAACGCCCGCCAGTGAAGAAAGAACCCGAAAGAA 272
Db 140 CACAGATCTCTCCAAAGCACTGAACGCCCGCCAGTGAAGAAAGAACCCGAAAGAA 199
QY 273 GAAACAACAGTGTGCTGTTTTCACAAAGCTTTTGTCTATGCTACTTGGGGAGGCCCTACCA 332
Db 200 GAAACAACAGTGTGCTGTTTTCACAAAGCTTTTGTCTATGCTACTTGGGGAGGCCCTACCA 259
QY 333 GGTGACGGGCTGTGCCCTGGGTTTCTTCTTCAGATCTACCTATTTGGATTTGGGTACGT 392
Db 260 GGTGACGGGCTGTGCCCTGGGTTTCTTCTTCAGATCTACCTATTTGGATTTGGGTACGT 319
QY 393 GGGCCCTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCCTGGGATGCCATCAGCA 452
Db 320 GGGCCCTTCTCTGCTCCATCATCTCTGTTTGTGGCGGAGCCTGGGATGCCATCAGCA 379
QY 453 CCCCTGTGGGCTCTTCATCAGCAAAATCCCCCTGGACCTGCTGGGTTCGCTTATGCC 512
Db 380 CCCCTGTGGGCTCTTCATCAGCAAAATCCCCCTGGACCTGCTGGGTTCGCTTATGCC 439
QY 513 CTGGATCATCTTCTCCACGCCCTGGCGCTACTTCCCTACTTCCCTACTTGGTTCGTGCC 572
Db 440 CTGGATCATCTTCTCCACGCCCTGGCGCTACTTCCCTACTTCCCTACTTGGTTCGTGCC 499
QY 573 CGACTTCCACACGCGCCAGACCTATTTGCTACTGCTGTTTCTTATTCGCTTTTGAACAAT 632
Db 500 CGACTTCCACACGCGCCAGACCTATTTGCTACTGCTGTTTCTTATTCGCTTTTGAACAAT 559
QY 633 GGTACAGTGTTCCTATGTTCCCTACTCGGCTCTACCATGTTTCATCAGCA 682
Db 560 GGTACAGTGTTCCTATGTTCCCTACTCGGCTCTACCATGTTTCATCAGCA 609

RESULT 25
AL547602 1201 bp mRNA linear EST 31-MAY-2003
LOCUS AL547602 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CSODI008YG24 5-PRIME, mRNA sequence.
ACCESSION AL547602
VERSION AL547602.2 GI:31269432
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1201)
Li.W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 15, 2001 this sequence version replaced gi:12881813.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODI008BD12QPl&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI008BD12QPl.
Location/Qualifiers

FEATURES
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT      246 a   348 c   322 g   271 t   14 others
ORIGIN
Query Match      27.1%; Score 580; DB 9; Length 1201;
Best Local Similarity 99.6%; Pred. No. 3e-288;
Matches 920; Conservative 0; Mismatches 2; Indels 2; Gaps 2;
QY 37 GCCGGCTTGGCTAGCGCGCGCGCGGCTAGGCTAAGGCTGTACGAAGCGAGCTTGGGAGG 96
DB 72 GCCGGCTTGGCTAGCGCGCGCGCGGCTAGGCTGTACGAAGCGAGCTTGGGAGG 131
QY 97 AGCAGCGCCTGCGGCGCAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCG 156
DB 132 AGCAGCGCCTGCGGCGCAGAGGAGCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCG 191
QY 157 CGGCTCATGGCCAAAGAGAGAGCGCGAGAGCGGCTCCGCGCGGGGCTGCTACCCACC 216
DB 192 CGGCTCATGGCCAAAGAGAGAGCGCGAGAGCGGCTCCGCGCGGGGCTGCTACCCACC 251
QY 217 AGCATCTCCAAAGCACTGAACGCCGCGCGCAGGTGAAGAAAGAACCCGAAAGAGAAA 276
DB 252 AGCATCTCCAAAGCACTGAACGCCGCGCGCAGGTGAAGAAAGAACCCGAAAGAGAAA 311
QY 277 CAACAGTGTCTGTTGCAACAAGCTTGTGATGCACCTTGGGGAGGCCCCCTACCAAGTG 336
DB 312 CAACAGTGTCTGTTGCAACAAGCTTGTGATGCACCTTGGGGAGGCCCCCTACCAAGTG 371
QY 337 ACGGCTGTGCCCTGGGTTTCTCTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGC 396
DB 372 ACGGCTGTG-CTTGGGTTTCTCTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGC 430
QY 397 CTTTCTCTGCTCCATCATCTCTTGTGTGGCGAGCGCTGGGATGCCATCACAGACCC 456
DB 431 CTTTCTCTGCTCCATCATCTCTTGTGTGGCGAGCGCTGGGATGCCATCACAGACCC 490
QY 457 CTGCTGGGCTCTGCATCAGCAATCCCGCTGGACCTGCGGTGCGCTTATGCCCTGG 516
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QY 517 ATCATCTTCTCCAGCGCCCTGGCGGTGCTTCCCTTCTCTCATCTGCTTGGTCCCGGAC 576
DB 551 ATCATCTTCTCCAGCGCCCTGGCGGTGCTTCCCTTCTCTCATCTGCTTGGTCCCGGAC 610
QY 577 TTCCCAACGCGCCAGACCTATTGTGACTGCTTTTCTTATTTGCTTGTGAACAATGGTC 636
DB 611 TTCCCAACGCGCCAGACCTATTGTGACTGCTTTTCTTATTTGCTTGTGAACAATGGTC 670
QY 637 ACGTGTTCATGTTCCCTACTCGCTCTACCATGTTTCATCAGCAACCGAGCAGCTGA 696
DB 671 ACGTGTTCATGTTCCCTACTCGGCTCTACCATGTTTCATCAGC-ACCGAGCAGCTGA 729
QY 697 GCGGATTTCTGCCACCGCCTATCGGATGACTGTGGAAGTGTGGGCAAGTGTGGGCGAC 756
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QY 757 GCGGATTCAGGGAACAATCGTGGGCCAAGCAGACACGCCCTTGTTCAGGACTTCAATAG 816
DB 790 GCGGATTCAGGGAACAATCGTGGGCCAAGCAGACACGCCCTTGTTCAGGACCTCAATAG 849
QY 817 CTCTACAGTAGCTTCACAAGTGCCCAACCATACACATGGCACCACTTCACACAGGGAAC 876
DB 850 CTCTACAGTAGCTTCACAAGTGCCCAACCATACACATGGCACCACTTCACACAGGGAAC 909
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910 GCAAAGGCATACCTGCTGGCAGCGGGGTCATTGCTGTATATATAATCTGTGCTGT 969
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937 CATCTGATCTGCTGGCGGTGGCGGA 960
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970 CATCTGATCTGCTGGCGGTGGCGGA 993
|||||

RESULT 26
LOCUS      BG624011      850 bp      mRNA      linear      EST 18-APR-2001
DEFINITION 602649188F1 NIH_MGC_79 Homo sapiens cDNA clone IMAGE:4770692 5',
mRNA sequence.
ACCESSION  BG624011
VERSION    BG624011.1 GI:13675382
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
MAMMALIA; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE  1 (bases 1 to 850)
AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL   Unpublished
COMMENT    Contact: Robert Strausberg, Ph.D.
           Email: cgapbs-r@mail.nih.gov
           Tissue Procurement: CLONTECH Laboratories, Inc.
           cDNA Library Preparation: CLONTECH Laboratories, Inc.
           cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
           DNA Sequencing by: Incyte Genomics, Inc.
           Clone distribution: MGC clone distribution information can be
           found through the I.M.A.G.E. Consortium/LLNL at:
           http://image.llnl.gov
           Plate: LICM1637 row: p column: 21
           High quality sequence stop: 744.

FEATURES             Location/Qualifiers
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                     /mol_type="mRNA"
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                     /clone="IMAGE:4770692"
                     /lab_host="DH10B (T1 phage-resistant)"
                     /clone_lib="NIH_MGC_79"
                     /note="Organ: placenta; Vector: pDNR-LIB (Clontech);
                     Site_1: SfiI (ggccatcgcc); Site_2: SfiI (ggccatcgcc
                     ); 5' and 3' adaptors were used in cloning as follows: 5'
                     adaptor sequence: 5'-CAGGCCATTATGGCC-3' and 3' adaptor
                     sequence: 5'-ATTCTAGAGCGGCGGCGGCGCATG-dT(30)BN-3'
                     (where B = A, C, or G and N = A, C, G, or T). Average
                     insert size 1.3 kb (range 0.5-4.0 kb). 15/15 colonies
                     contained inserts by PCR. This library was enriched for
                     full-length clones and was constructed by Clontech
                     Laboratories (Palo Alto, CA). Note: this is a NIH_MGC
                     Library."
BASE COUNT      168 a   246 c   224 g   211 t      1 others
ORIGIN
Query Match      26.8%; Score 575; DB 10; Length 850;
Best Local Similarity 99.8%; Pred. No. 1.1e-285;
Matches 625; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1234 GACAGCTGTATATTTGGGATCTCATCAGCAGTGCCTTCTCATCTTGGTGGCCCTCAT 1293
DB 1 GACAGCTGTATATTTGGGATCTCATCAGCAGTGCCTTCTCATCTTGGTGGCCCTCAT 60
QY 1294 GGAGAGTAACCTCATCATATACATATGGGTAAGTGTGGCAGCTGGCATCAGTGTGGCAGC 1353
DB 61 GGAGAGTAACCTCATCATATACATATGGGTAAGTGTGGCAGCTGGCATCAGTGTGGCAGC 120
QY 1354 TGCCTTCTTACTACCTGGTCCATGCTGCCTGTATGTCATTTGACGACTTCCATCTGAAGCA 1413
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Db 121 TGCCTTTACTACCTGGTCCATGCTGCTGATGTCAATTGACGACTTCCATCTGAAGCA 180

QY 1414 GCGCCACTTCCATGGAACCGAGCCCATCTTCTCTCTATGTCTTCTTCCACCAAGTT 1473

Db 181 GCGCCACTTCCATGGAACCGAGCCCATCTTCTCTCTATGTCTTCTTCCACCAAGTT 240

QY 1474 TGCCTCTGAGTCTCACTGGGCAATTTCTACCCCTCAGTCTGGACTTTGCGAGGTACACAGAC 1533

Db 241 TGCCTCTGAGTCTCACTGGGCAATTTCTACCCCTCAGTCTGGACTTTGCGAGGTACACAGAC 300

QY 1534 CCGTGGCTCTCGCAGCCGGAACGTGTCAAGTTTACACTGAACATCTCGTGACCAATGGC 1593

Db 301 CCGTGGCTCTCGCAGCCGGAACGTGTCAAGTTTACACTGAACATCTCGTGACCAATGGC 360

QY 1594 TCCATAGTTCATCTCTGCTGGGCTGCTGTCTTCAAAATGTACCCCATTTGATGAGGA 1653

Db 361 TCCATAGTTCATCTCTGCTGGGCTGCTGTCTTCAAAATGTACCCCATTTGATGAGGA 420

QY 1654 GAGCGCGGCGCAGAAATGAAGCCCTGAGGCACTGAGGAGCGGCGAGGCTCTGG 1713

Db 421 GAGCGCGGCGCAGAAATGAAGCCCTGAGGCACTGAGGAGCGGCGAGGCTCTGG 480

QY 1714 CTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGGCCCGCCACGTTGCC 1773

Db 481 CTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGGCCCGCCACGTTGCC 540

QY 1774 GAAGCCACCATGAGAGGCGCAGAAAGGATCAGGACCTGTCTGCCGCTGTCTGAGGA 1833

Db 541 GAAGCCACCATGAGAGGCGCAGAAAGGATCAGGACCTGTCTGCCGCTGTCTGAGGA 600

QY 1834 GCTGGACTGCAGTGTCTAGGAAGGA 1859

Db 601 GCTGGACTGCAGTGTCTAGGAAGGA 626

RESULT 27

BI461105

LOCUS 714 bp mRNA linear EST 21-AUG-2001

DEFINITION 603206983F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:5272700 5', mRNA sequence.

ACCESSION BI461105

VERSION BI461105.1 GI:15251761

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished

COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabbs@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki Toshiyuki and Piero Carninci (RIKEN)
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
CDNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Plate: LLML1688 row: e column: 21
High quality sequence stop: 711.
Location/Qualifiers
1. .714
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5272700"
/lab_host="DH10B"
/clone_lib="NIH_MGC_97"
/note="Organ: Testis; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: Sali-XhoI (gtcgag

); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTTTTN-3', size-selected for average insert size 2.2 kb and normalized to R0T 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."

BASE COUNT 128 a 228 c 203 g 154 t 1 others

ORIGIN

Query Match 26.8%; Score 574; DB 12; Length 714;
Best Local Similarity 99.8%; Pred. No. 3.7e-285;
Matches 624; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 37 GCGCGCTTGGCTAGCGCGCGCGCGCTGCTAGGCTCTACGAGCGAGCTTGGGAGG 96

Db 27 GCGCGCTTGGCTAGCGCGCGCGCGCTGCTAGGCTCTACGAGCGAGCTTGGGAGG 86

QY 97 AGCAGGGCTCTCGGGGCGAGAGGATCCCTGTACAGGTCCTCCAGCGGCGTGGCCCG 156

Db 87 AGCAGGGCTCTCGGGGCGAGAGGATCCCTGTACAGGTCCTCCAGCGGCGTGGCCCG 146

QY 157 CGGGTCATGGCCAAAGGAGGAGCGCGCGCGCGCTCCGCGCGGGGCTGTACCCACC 216

Db 147 CGGGTCATGGCCAAAGGAGGAGCGCGCGCGGGGCTGTACCCACC 206

QY 217 AGCATCTCTCCAAAGCACTGAACGCCCGCGCGCGCGGAGGAGAAAGAAAGAAA 276

Db 207 AGCATCTCTCCAAAGCACTGAACGCCCGCGCGCGCGGAGGAGAAAGAAAGAAA 266

QY 277 CAACAGTTCTCTGTTTGCACCAAGCTTGTCTATGACATTTGGGGGAGCCCTTACCAGGTG 336

Db 267 CAACAGTTCTCTGTTTGCACCAAGCTTGTCTATGACATTTGGGGGAGCCCTTACCAGGTG 326

QY 337 ACGGGCTGTGCTTGGTTTCTTCTTCCATGATCTACCTATTTGATGTGCTCAGGTGGC 396

Db 327 ACGGGCTGTGCTTGGTTTCTTCTTCCATGATCTACCTATTTGATGTGCTCAGGTGGC 386

QY 397 CCTTTCTGTGCTCCATCATCTCTGTTTGGGCCGAGCTGGGATGCCATCAGACCC 456

Db 387 CCTTTCTGTGCTCCATCATCTCTGTTTGGGCCGAGCTGGGATGCCATCAGACCC 446

QY 457 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCCTGGCTTATGCCCTG 516

Db 447 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCCTGGCTTATGCCCTG 506

QY 517 ATCATCTTCTCCACGCCCTCGGCGCTGCTTCTTCTTCTTCTGTTCTGTCGCCGAC 576

Db 507 ATCATCTTCTCCACGCCCTCGGCGCTGCTTCTTCTTCTTCTGTTCTGTCGCCGAC 566

QY 577 TTCCACAGCGGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAAACAATGGTC 636

Db 567 TTCCACAGCGGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTTGAACAATGGTC 626

QY 637 ACGTGTTCCTGATTTCCCTACTCTCG 661

Db 627 ACGTGTTCCTGATTTCCCTACTCTCG 651

RESULT 28

BI520464

LOCUS 705 bp mRNA linear EST 29-AUG-2001

DEFINITION 603071658F1 NIH_MGC_119 Homo sapiens cDNA clone IMAGE:5163591 5', mRNA sequence.

ACCESSION BI520464

VERSION BI520464.1 GI:15345256

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone Distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM1406 row: c column: 16
High quality sequence stop: 705.
Location/Qualifiers
1. 705
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5163591"
/tissue_type="medulla"
/lab_host="DH10B"
/clone_lib="NIH_MGC_119"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source normal medulla from anonymous male age 27. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.3 kb, insert size range 0.9-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 013. Note: this is a NIH_MGC Library."
BASE COUNT 129 a 224 c 200 g 152 t
ORIGIN
Query Match 26.0%; Score 556; DB 12; Length 705;
Best Local Similarity 99.8%; Pred. No. 7.6e-276;
Matches 606; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 37 GCCGGCTTGGCTAGCGCGCGCGCGCTGGCTACGAGCTGCTACGAGCGAGCTTGGGAGG 96
DB 9 GCCGGCTTGGCTAGCGCGCGCGCGCTGGCTACGAGCTGCTACGAGCGAGCTTGGGAGG 68
QY 97 AGCAGCGCGCTGCGGGGCGAGGAGCATCCCGTCTACAGTCCCAAGCGCGGTGGCCCG 156
DB 69 AGCAGCGCGCTGCGGGGCGAGGAGCATCCCGTCTACAGTCCCAAGCGCGGTGGCCCG 128
QY 157 CGGCTCATGGCCAAAGAGAGCGCGCGAGAGCGGCTCCCGCGGGGCTGCTACCCACC 216
DB 129 CGGCTCATGGCCAAAGAGAGCGCGCGAGAGCGGCTCCCGCGGGGCTGCTACCCACC 188
QY 217 AGCATCTCCAAAGCACTGAACCGCGCGCGCGAGAGAAAGAAAGAAAGAAAGAA 276
DB 189 AGCATCTCCAAAGCACTGAACCGCGCGCGAGAGAAAGAAAGAAAGAAAGAA 248
QY 277 CAACAGTTGCTGTTTGAACAAGCTTTGCTATGCATTTGGGGAGCCCCCTACAGGTG 336
DB 249 CAACAGTTGCTGTTTGAACAAGCTTTGCTATGCATTTGGGGAGCCCCCTACAGGTG 308
QY 337 ACGGCTGTGCGCGGCTTCTTCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 396
DB 309 ACGGCTGTGCGCGGCTTCTTCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 368
QY 397 CCTTTCCTGCTCCATCATCTCTGTTGTGGGCGAGCGCTGGGATGCCATCACAGACCC 456
DB 369 CCTTTCCTGCTCCATCATCTCTGTTGTGGGCGAGCGCTGGGATGCCATCACAGACCC 428
QY 457 CTGTTGGGCTCTGCATCAGCAATCCCGCTGGACCTGCGTGGGTGCGCTTATGCCCTGG 516
DB 429 CTGTTGGGCTCTGCATCAGCAATCCCGCTGGACCTGCGTGGGTGCGCTTATGCCCTGG 488
QY 517 ATCATCTTCTACGCGCGCTGCTATGCGCTACTTCCCTCATCTGGTTCGTGCCCGAC 576
DB 489 ATCATCTTCTACGCGCGCTGCTATGCGCTACTTCCCTCATCTGGTTCGTGCCCGAG 548

QY 577 TTCCACACGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTTGAACAATGTC 636
DB 549 TTCCACACGCCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTTGAACAATGTC 608
QY 637 ACGTGT 643
DB 609 ACGTGT 615
RESULT 29
BI666553 731 bp mRNA linear EST 12-SEP-2001
LOCUS 603291435F1 NIH_MGC_96 Homo sapiens cDNA clone IMAGE:5310729 5',
DEFINITION mRNA sequence.
ACCESSION BI666553
VERSION BI666553.1 GI:15580786
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 731)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki Toshiyuki and Piero Carninci (RIKEN)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone Distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11787 row: f column: 10
High quality sequence stop: 718.
Location/Qualifiers
1. 731
/organism="Homo sapiens"
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/clone="IMAGE:5310729"
/tissue_type="hypothalamus"
/lab_host="DH10B"
/clone_lib="NIH_MGC_96"
/note="Organ: brain; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: SalI-XhoI (gtcgag); Oligo-dr primed using primer 5'-TTTTTTTTTTTTTTVN-3', size-selected for average insert size 2.3 kb and normalized to 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NHGRI), National Institutes of Health). Note: this is a NIH_MGC Library."
BASE COUNT 131 a 230 c 213 g 157 t
ORIGIN
Query Match 26.0%; Score 556; DB 12; Length 731;
Best Local Similarity 99.8%; Pred. No. 7.6e-276;
Matches 606; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 37 GCCGGCTTGGCTAGCGCGCGCGCGCTGGCTACGAGCTGCTACGAGCGAGCTTGGGAGG 96
DB 25 GCCGGCTTGGCTAGCGCGCGCGCGCTGGCTACGAGCTGCTACGAGCGAGCTTGGGAGG 84
QY 97 AGCAGCGCGCTGCGGGGCGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGGTGGCCCG 156
DB 85 AGCAGCGCGCTGCGGGGCGAGGAGCATCCCGTCTACAGGTCCCAAGCGCGGTGGCCCG 144
QY 157 CGGTCTATGGCCAAAGAGAGCGCGCGAGAGCGGCTCCCGCGGGGCTGCTACCCACC 216
DB 157 CGGTCTATGGCCAAAGAGAGCGCGCGAGAGCGGCTCCCGCGGGGCTGCTACCCACC 216

Db 145 CGGGTCATGGCCAAAGGAGAGCGCCGAGAGCGGCTCCGGCGGGGCTGCTACCCACC 204
QY 217 ACATCTCTCCAAAGCACTGAAGCCCGCCGAGGTCAGAAAGACCCGAAAAGAGAAA 276
Db 205 AGCATCTCTCCAAAGCACTGAAGCCCGCCGAGGTCAGAAAGACCCGAAAAGAGAAA 264
QY 277 CAACAGTGTCTGTGTTTGAACAAGCTTTGCTATGCACATTGGGGAGCCCTTACCAGGTG 336
Db 265 CAACAGTGTCTGTGTTTGAACAAGCTTTGCTATGCACATTGGGGAGCCCTTACCAGGTG 324
QY 337 ACGGGCTGTGCTCGGCTTTCCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 396
Db 325 ACGGGCTGTGCTCGGCTTTCCTTCAGATCTACCTATTGGATGTGGCTCAGTGGGC 384
QY 397 CTTTCTCTGCTCCTCATCATCTGTTTGTGGCCGAGCTGGGATGCCATCACAGACCC 456
Db 385 CTTTCTCTGCTCCTCATCATCTGTTTGTGGCCGAGCTGGGATGCCATCACAGACCC 444
QY 457 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCCTGGGTGGCTTTATGCCCTGG 516
Db 445 CTGGTGGGCTCTGCATCAGCAAAATCCCTCGACCTGCCTGGGTGGCTTTATGCCCTGG 504
QY 517 ATCATCTTCTCACGCCCTGCGCTCATCTGCTTCTTCTTATGCTCTCTTTGAAACAATGGTC 636
Db 505 ATCATCTTCTCACGCCCTGCGCTCATCTGCTTCTTCTTATGCTCTCTTTGAAACAATGGTC 624
QY 637 ACGTGT 643
Db 625 ACGTGT 631

RESULT 30
CB049218 592 bp mRNA linear EST 17-JAN-2003
LOCUS NISC_gj09d07.y1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:3271332
DEFINITION 5', mRNA sequence.
ACCESSION CB049218
VERSION CB049218.1 GI:27787505
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 592)
AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapb-r@mail.nih.gov
CDNA Library Preparation:
CDNA Library Arrayed by: The I.M.A.G.E. Consortium/LLNL
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC)
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
info@image.llnl.gov
Plate: L1AM008 row: G column: 13
Seq primer: M13Rpl reverse primer (AB1).
Location/Qualifiers
1. .592
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/mol_type="mRNA"
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/clone="IMAGE:3271332"
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/lab_host="DH10B"
/clone_lib="NCI_CGAP_Pr28"

/note="Organ: prostate; Vector: pT73D-Pac (Pharmacia)
with a modified polylinker; Plasmid DNA from the
normalized library NCI_CGAP_Pr22 was prepared, and ss
circles were made in vitro. Following HAP purification,
this DNA was used as tracer in a subtractive hybridization
reaction. The driver was PCR-amplified cDNAs from a pool
of 5,000 clones made from the same library (clonoids
985608-986759, 1101192-1101959, and 1217928-1220615).
Subtraction by Bento Soares and M. Fatima Bonaldo."
BASE COUNT 153 a 149 c 161 g 129 t
ORIGIN

Query Match 25.8%; Score 553; DB 14; Length 592;
Best Local Similarity 100.0%; Pred. No. 2.7e-274;
Matches 553; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1590 TGGCTCCCATAGTCTCATCTGCTGGGCTGCTGCTTCCAAATGTACCCCAATTGATG 1649
Db 14 TGGCTCCCATAGTCTCATCTGCTGGGCTGCTGCTTCCAAATGTACCCCAATTGATG 73
QY 1650 AGGAGAGCGCGCGCAGAAATGAAGAGCCCTTCAGGCACCTGAGGACGAGGCCAGCAGCT 1709
Db 74 AGGAGAGCGCGCGCAGAAATGAAGAGCCCTTCAGGCACCTGAGGACGAGGCCAGCAGCT 133
QY 1710 CTGGTGTCTCAGAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGCGCCGCGCAGCTT 1769
Db 134 CTGGTGTCTCAGAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGCGCCGCGCAGCTT 193
QY 1770 GCCGAGCCACCATGCAGAGGCGCAGAGGACCTGCTGCGGGCTTGGCTG 1829
Db 194 GCCGAGCCACCATGCAGAGGCGCAGAGGACCTGCTGCGGGCTTGGCTG 253
QY 1830 AGCAGCTGGACTGCAGGTGCTAGGAAGGAACTCAAGACTCAAGAGGAGTGGCCGAGACA 1889
Db 254 AGCAGCTGGACTGCAGGTGCTAGGAAGGAACTCAAGACTCAAGAGGAGTGGCCGAGACA 313
QY 1890 CTTGCTGTGCTACCTGTGGGCGGCTGCTGTGGCTCCTGCTCCCTCTGCTGCTGCC 1949
Db 314 CTTGCTGTGCTACCTGTGGGCGGCTGCTGTGGCTCCTGCTCCCTCTGCTGCTGCC 373
QY 1950 TGTGGGCGCAAGCCCTGGGCTGCCACCTGTGAATATGCCAAGGACTGATCGGGCTAGCC 2009
Db 374 TGTGGGCGCAAGCCCTGGGCTGCCACCTGTGAATATGCCAAGGACTGATCGGGCTAGCC 433
QY 2010 CGGAACACTAATGTAGAAACCTTTTTTACAGAGCCCTAATTAATACTTAATGACTGTG 2069
Db 434 CGGAACACTAATGTAGAAACCTTTTTTACAGAGCCCTAATTAATACTTAATGACTGTG 493
QY 2070 TACATAGCAATGTGTGTATGTATGCTGTGAGCTATTAAATGTTTAAATTTTCATA 2129
Db 494 TACATAGCAATGTGTGTATGTATGCTGTGAGCTATTAAATGTTTAAATTTTCATA 553
QY 2130 AAAGCTGGAAGC 2142
Db 554 AAAGCTGGAAGC 566

RESULT 31
CA308860/c 642 bp mRNA linear EST 01-NOV-2002
LOCUS UI-H-FT1-bia-b-24-0-UI.s1 NCI_CGAP_Ft1 Homo sapiens cDNA clone
DEFINITION UI-H-FT1-bia-b-24-0-UI 3', mRNA sequence.
ACCESSION CA308860
VERSION CA308860.1 GI:24471914
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 642)
AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL
COMMENT

Unpublished
Contact: Robert Strausberg, Ph.D.
Email: ccapbs-remail.nih.gov
Tissue Procurement: Dr. Gary W. Hunninghake, U of I
cDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Dr. M. Bento Soares, University of Iowa
from Dr. M. Bento Soares, bento-soares@uiowa.edu
Seq primer: M13 FORWARD
POLYA-Yes.

FEATURES

source

Location/Qualifiers
1. .642
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-H-FT1-bia-b-24-0-UI"
/tissue_type="Aveolar Macrophage"
/dev_stage="Adult"
/lab_host="DH10B (Life Technologies)"
/clone_lib="NCI_CGAP_Ft1"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; NCI_CGAP_Ft1 is a normalized cDNA library constructed from a pool of 81 RNA samples from Alveolar Macrophages challenged with different treatments. The library was normalized according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT73-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is GGCATGCCG. The tissue was provided by Dr. Gary W. Hunninghake of the University of Iowa.
TAG_LIB=UI-H-FT1
TAG_TISSUE=Human Lung
TAG_SEQ=GGCCATGCCG"

BASE COUNT 138 a 176 c 164 g 163 t 1 others

ORIGIN

Query Match

Best Local Similarity 99.8%; Score 551; DB 14; Length 642;

Matches 601; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1541 TGCTCGAGCGGACGTGTCAGTTTACACTGAACATGCTCGTGACCATGGCTCCCAT 1600
|||||
623 TGCTCGAGCGGAACTGTCAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCAT 564
|||||
1601 GTTCTCATCTGCTGGGCCCTGCTCTTCAAAATGTACCCATTGATGAGGAGCGG 1660
|||||
563 GTTCTCATCTGCTGGGCCCTGCTCTTCAAAATGTACCCATTGATGAGGAGCGG 504
|||||
1661 CGGCAGAAATGAAGGCCCTGCAGGCACTGAGGACGAGCCAGCAGCTCTGGCTGCTCA 1720
|||||
503 CGGCAGAAATGAAGGCCCTGCAGGCACTGAGGACGAGCCAGCAGCTCTGGCTGCTCA 444
|||||
1721 GAACACACTCCACAGACTGGCTAGCATCTCTAGGGCCGCGCACCTTGGCCGAAGCCA 1780
|||||
443 GAACACACTCCACAGACTGGCTAGCATCTCTAGGGCCGCGCACCTTGGCCGAAGCCA 384
|||||
1781 CCATGCAAGAGGCCACAGAAGGATCAGGACCTGTCTGCGCGTGTCTGAGCAGCTGGAC 1840
|||||
383 CCATGCAAGAGGCCACAGAAGGATCAGGACCTGTCTGCGCGTGTCTGAGCAGCTGGAC 324
|||||
1841 TGCAGGTGCTAGGAAGGAACTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGTGCT 1900
|||||
323 TGCAGGTGCTAGGAAGGAACTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGTGCT 264
|||||
1901 CACTGTGGGCGGCTCTGTGGCCCTCTGCTGCCCTCCCTCTGCTGCCCTGCCCTGGGGCCAA 1960
|||||

BASE COUNT	99 a	186 c	168 g	114 t
ORIGIN				
Query Match	25.7%; Score 550; DB 12; Length 567;			
Best Local Similarity	100.0%; Pred. No. 9.6e-273;			
Matches	550; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	37 GCCGGCTTGGCTAGCGCGCGCGCGCTGCTAGAGCTGCTACGAGCGAGCTTGGGAGG 96			
DB	18 GCCGGCTTGGCTAGCGCGCGCGCGCTGCTAGAGCTGCTACGAGCGAGCTTGGGAGG 77			
QY	97 AGCAGCGGCTGCGGGCGCAGAGAGCATCCCTGTACCAAGTCCCAAGCGGCGTGGCCCG 156			
DB	78 AGCAGCGGCTGCGGGCGCAGAGAGCATCCCTGTACCAAGTCCCAAGCGGCGTGGCCCG 137			
QY	157 CGGGTCATGGCCAAAGAGAGCGCGCGAGCGGCTCGCGGGGGGGTGTACCCACC 216			
DB	138 CGGGTCATGGCCAAAGAGAGCGCGCGAGCGGCTCGCGGGGGGGTGTACCCACC 197			
QY	217 AGCATCTCCAAAGCACTGAACGCCGCCAGGTGAAGAAAGAACCCGAAAGAGAA 276			
DB	198 AGCATCTCCAAAGCACTGAACGCCGCCAGGTGAAGAAAGAACCCGAAAGAGAA 257			
QY	277 CAACAGTGTCTCTTTTGCACAAAGCTTTGCTATGCACCTTGGGGAGCCCTTACCAGGTG 336			
DB	258 CAACAGTGTCTCTTTTGCACAAAGCTTTGCTATGCACCTTGGGGAGCCCTTACCAGGTG 317			
QY	337 ACGGGCTGTCCTCGGGTCTTCCTTCAGATCTACCTATTGGATGTGCTCAGGNGGC 396			
DB	318 ACGGGCTGTCCTCGGGTCTTCCTTCAGATCTACCTATTGGATGTGCTCAGGNGGC 377			
QY	397 CTTTCTCTGCTCCATCATCTCTGTTTGGCGCGAGCCTGGGATGCCATCACAGACCC 456			
DB	378 CTTTCTCTGCTCCATCATCTCTGTTTGGCGCGAGCCTGGGATGCCATCACAGACCC 437			
QY	457 CTGGTGGGCTCTGCAATCAGCAAAATCCCTCGACCTGCTGGGTGCGCTTATGCCCTGG 516			
DB	438 CTGGTGGGCTCTGCAATCAGCAAAATCCCTCGACCTGCTGGGTGCGCTTATGCCCTGG 497			
QY	517 ATCATCTTCACAGCCCTCGGCTGCTATGCTGCTTCTCTCATCTGCTGCTGCGCCGAC 576			
DB	498 ATCATCTTCACAGCCCTCGGCTGCTGCTGCTTCTCTCATCTGCTGCTGCGCCGAC 557			
QY	577 TTCCACACAG 586			
DB	558 TTCCACACAG 567			
RESULT 33				
CA748596/c				
LOCUS	571 bp mRNA linear EST 26-NOV-2002			
DEFINITION	UI-H-FT1-bhs-1-10-0-UI.s1 NCI_CGAP_FTI Homo sapiens cDNA clone			
	UI-H-FT1-bhs-1-10-0-UI 3', mRNA sequence.			
ACCESSION	CA748596			
VERSION	CA748596.1			
KEYWORDS	EST.			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
	1 (bases 1 to 571)			
REFERENCE	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap .			
AUTHORS	National Cancer Institute, Cancer Genome Anatomy Project (CGAP),			
TITLE	Tumor Gene Index			
JOURNAL	Unpublished			
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgaps-r@mail.nih.gov Tissue Procurement: Dr. Gary W. Hunninghake, U of I cDNA Library preparation: Dr. M. Bento Soares, University of Iowa DNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution by: Clone distribution information can be obtained from Dr. M. Bento Soares, bento-soares@uiowa.edu			

Seq primer: M13 FORWARD		
POLYA=Yes.		
FEATURES	Location/Qualifiers	
source	1..571	
	/organism="Homo sapiens"	
	/mol_type="mRNA"	
	/db_xref="taxon:9606"	
	/clone="UI-H-FT1-bhs-1-10-0-UI"	
	/tissue_type="Aveolar Macrophage"	
	/dev_stage="Adult"	
	/lab_host="DH10B (Life Technologies)"	
	/clone_lib="NCI_CGAP_FTI"	
	/note="Organ: Lung; Vector: p773-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; NCI_CGAP_FTI is a normalized cDNA library constructed from a pool of 81 RNA samples from Alveolar Macrophages challenged with different treatments. The library was normalized according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into p773-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag (dT)18 tail. The sequence tag for this library is GCCATGCCG. The tissue was provided by Dr. Gary W. Hunninghake of the University of Iowa.	
	TAG_LIB=UI-H-FT1	
	TAG_TISSUE=Human Lung	
	TAG_SEQ=GGCCATGCCG	
BASE COUNT	111 a 162 c 159 g 139 t	

Query Match	25.5%; Score 547; DB 14; Length 571;	
Best Local Similarity	100.0%; Pred. No. 3.4e-271;	
Matches	547; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1529 CAGACCCGTGGTGTCTCGACGCCGGAAGTGTCAAGTTTACACTGAACATGCTGTGACC 1588	
DB	562 CAGACCCGTGGTGTCTCGACGCCGGAAGTGTCAAGTTTACACTGAACATGCTGTGACC 503	
QY	1589 ATGGCTCCCATAGTTCTCATCTCTGGGCTGTCTTCAAAATATACCCCATTTGAT 1648	
DB	502 ATGGCTCCCATAGTTCTCATCTCTGGGCTGTCTTCAAAATATACCCCATTTGAT 443	
QY	1649 GAGGAGAGCGCGGCGCAGAAATGAAGGCCCTTCAGGCACTGAGGAGCAGGCCAGCAGC 1708	
DB	442 GAGGAGAGCGCGGCGCAGAAATGAAGGCCCTTCAGGCACTGAGGAGCAGGCCAGCAGC 383	
QY	1709 TCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGGCCCGCCAGCT 1768	
DB	382 TCTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTAGGGCCCGCCAGCT 323	
QY	1769 TGCCGGAAGCCACCATGCAAGAGGCCACAGAAGGATCAGGACCTGTCTGCGGGTGTGCT 1828	
DB	322 TGCCGGAAGCCACCATGCAAGAGGCCACAGAAGGATCAGGACCTGTCTGCGGGTGTGCT 263	
QY	1829 GAGCAGCTGGACTGAGGTGCTAGGAAGGAACTGAAGACTCAAGAGGTGGCCAGGAC 1888	
DB	262 GAGCAGCTGGACTGAGGTGCTAGGAAGGAACTGAAGACTCAAGAGGTGGCCAGGAC 203	
QY	1889 ACTTGTGTGTCTACTGTGGGCGCGCTGCTGTGTGGCTCTCTGCTCTCTCTCTCTCTCT 1948	
DB	202 ACTTGTGTGTCTACTGTGGGCGCGCTGCTGTGTGGCTCTCTGCTCTCTCTCTCTCTCT 143	
QY	1949 CTGTGGGCGCAAGCCCTGGGGTGGCAGTGTGAATATGCCAAGGACTGATCGGGCTTACC 2008	
DB	142 CTGTGGGCGCAAGCCCTGGGGTGGCAGTGTGAATATGCCAAGGACTGATCGGGCTTACC 83	
QY	2009 CCGGAACACTAATGTAGAACCCTTTTTCACAGAGCCCTTAATTAACCTTAATGACTGT 2068	
DB	82 CCGGAACACTAATGTAGAACCCTTTTTCACAGAGCCCTTAATTAACCTTAATGACTGT 23	

pBluescript KS+); Site_1: BamHI; Site_2: SalI-XhoI (gtcagag
); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTVN-3',
size-selected for average insert size 2.2 kb and
normalized to ROT 5. This is a primary library enriched
for full-length clones and constructed using the
Cap-trapper method (Carninci, in preparation). Library
constructed by M. Brownstein (NIMH/NHGRI, National
Institutes of Health). Note: this is a NIH_MGC Library."

BASE COUNT 111 a 200 c 183 g 131 t 1 others

Query Match 25.5%; Score 547; DB 12; Length 626;
Best Local Similarity 99.8%; Pred. No. 3.4e-271;
Matches 597; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 37 GCCGCTTGGCTAGCGCGGGCGGGCGGTGCTAGCGCTGCTACGAGCGAGCTTGGGAGG 96
Db 28 GCCGCTTGGCTAGCGCGGGCGGGCGGTGCTAGCGCTGCTACGAGCGAGCTTGGGAGG 87
QY 97 AGCAGCGGCTCGCGGGCAGAGGAGCATCCCTCTACAGGTCCCAAGCGGCGTGGCCCG 156
Db 88 AGCAGCGGCTCGCGGGCAGAGGAGCATCCCTCTACAGGTCCCAAGCGGCGTGGCCCG 147
QY 157 CGGGTCATGGCCAAAGGAGAGCGCGGAGCGCGTCCGCGGGCGGTGCTACCCACC 216
Db 148 CGGGTCATGGCCAAAGGAGAGCGCGGAGCGCGTCCGCGGGCGGTGCTACCCACC 207
QY 217 AGCATCTCTCAAGCACTGAACGCCCGCGGCTGAGAGAAAGCAAGAAAGAGAA 276
Db 208 AGCATCTCTCAAGCACTGAACGCCCGCGGCTGAGAGAAAGCAAGAAAGAGAA 267
QY 277 CAACAGTTGCTGTTTGAACAAAGCTTTGCTATGACCTTGGGGAGCCCGCTACAGGTG 336
Db 268 CAACAGTTGCTGTTTGAACAAAGCTTTGCTATGACCTTGGGGAGCCCGCTACAGGTG 327
QY 337 AGGGGCTGCGCCTGGGTTTCTTCTCAGATCTACCTATTTGGATGTGGCTCAGGTGGG 396
Db 328 AGGGGCTGCGCCTGGGTTTCTTCTCAGATCTACCTATTTGGATGTGGCTCAGGTGGG 387
QY 397 CTTTCTCTGCTCCATCATCTCTGTTTGGCGCGAGCTGGGATGCCATCACAGACCC 456
Db 388 CTTTCTCTGCTCCATCATCTCTGTTTGGCGCGAGCTGGGATGCCATCACAGACCC 447
QY 457 CTGGTGGGCTCTGATCAGAAATCCCGCTGGAGCTGGCTGGGCGCTTATGCCCTGG 516
Db 448 CTGGTGGGCTCTGATCAGAAATCCCGCTGGAGCTGGCTGGGCGCTTATGCCCTGG 507
QY 517 ATCATCTTCTCACGCCCTGGCGGTCTACTTCTCATCTGTTGCTGCGCGAC 576
Db 508 ATCATCTTCTCACGCCCTGGCGGTCTACTTCTCATCTGTTGCTGCGCGAC 567
QY 577 TTCCACAGCGGCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAACAATGG 634
Db 568 TTCCACAGCGGCAGACCTATTGGTACCTGCTTTTCTATTGCTCTTTGAACAATGG 625

RESULT 36
BX464860
LOCUS BX464860 Homo sapiens PLACENTA Homo sapiens cdna clone CL0BA0122H01
DEFINITION 5-PRIME, mRNA sequence.
ACCESSION BX464860
VERSION BX464860.1 GI:31027685
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 912)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS5AA006ZD11RM1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS5AA006ZD11RM1.

FEATURES
Location/Qualifiers
1..912
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CL0BA0122H01"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."
BASE COUNT 196 a 258 c 219 g 232 t 7 others
ORIGIN
Query Match 25.0%; Score 535; DB 13; Length 912;
Best Local Similarity 99.7%; Pred. No. 5.7e-265;
Matches 535; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 683 ACCGAGCAGCTGAGCGGGATTTCGCCACCGCCTATCGGATGACTGTGGAAGTCTGGGC 742
Db 84 ACCGAGCAGCTGAGCGGGATTTCGCCACCGCCTATCGGATGACTGTGGAAGTCTGGGC 143
QY 743 ACAGTGTGGCAGCGGCGATCCAGGACAAATCGTGGGCCAAGACAGACACGCCCTGTTC 802
Db 144 ACAGTGTGGCAGCGGCGATCCAGGACAAATCGTGGGCCAAGACAGACACGCCCTGTTC 203
QY 803 CAGGACTTCAATAGCTCTACAGTAGCTTTCACAAAGTGCACACCATACATGACACCACT 862
Db 204 CAGGACTTCAATAGCTCTACAGTAGCTTTCACAAAGTGCACACCATACATGACACCACT 263
QY 863 TCACACAGGGAACCAAAAGGCATACCTGCTGGCAGCGGGGTCTGCTGTATCTAT 922
Db 264 TCACACAGGGAACCAAAAGGCATACCTGCTGGCAGCGGGGTCTGCTGTATCTAT 323
QY 923 ATAATCTGTGTCTCATCTCTGCTGCGCGTGGCGGAGCAGAGAACCCCTATGAAGCC 982
Db 324 ATAATCTGTGTCTCATCTCTGCTGCGCGTGGCGGAGCAGAGAACCCCTATGAAGCC 383
QY 983 CAGCAGCTGAGCCCAATCGCCTACTTCCGGGCGCTACGGCTGGTGCATGAGCCACGCCCA 1042
Db 384 CAGCAGCTGAGCCCAATCGCCTACTTCCGGGCGCTACGGCTGGTGCATGAGCCACGCCCA 443
QY 1043 TACATCAACTATTACTGGCTTCCTCTTCACTCTTGGCTTTTCATGCTGGTGAGGGG 1102
Db 444 TACATCAACTATTACTGGCTTCCTCTTCACTCTTGGCTTTTCATGCTGGTGAGGGG 503
QY 1103 AACTTTGTCTTTTGGACCTTACACCTTACACCTTGGGCTTCCGCAATGAATTCAGAACTACTC 1162
Db 504 AACTTTGTCTTTTGGACCTTACACCTTACACCTTGGGCTTCCGCAATGAATTCAGAACTACTC 563
QY 1163 CTGGCCATCATGCTCTCGGCCACTTTAACCATTCCCATCTGGCAGTGGTCTTGGACCGG 1222
Db 564 CTGGCCATCATGCTCTCGGCCACTTTAACCATTCCCATCTGGCAGTGGTCTTGGACCGG 623
QY 1223 TTGGCAAGACAGCAGCTGTATATCTGTGGATCTCATCAGCAGTGCCTATTTCTCATCTTG 1282
Db 624 TTGGCAAGACAGCAGCTGTATATCTGTGGATCTCATCAGCAGTGCCTATTTCTCATCTTG 683
QY 1283 GTGGCCCTCATGGAGAGTAACCTCATCATATGATG 1319
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QY 2031 TTTTTCACAGAGCCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTG 2085
Db 95 TTTTTCACAGAGCCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTG 41

RESULT 40
AL574077/c
LOCUS
DEFINITION
AL574077 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1040YM11 3-PRIME, mRNA sequence.
ACCESSION
AL574077
VERSION
AL574077.2 GI:31295412
KEYWORDS
Full-length cDNA libraries and normalization
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1120)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 16, 2001 this sequence version replaced gi:12933931.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI040AG06NP1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CS0DI040AG06NP1.

FEATURES
source
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/notes="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
BASE COUNT 285 a 273 c 311 g 230 t 21 others
ORIGIN
Query Match 24.4%; Score 522; DB 9; Length 1120;
Best Local Similarity 99.8%; Pred. No. 3.le-258;
Matches 642; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1283 GTGGCCCTCATGGAGAGTAGTACCTCATCATATACATATATCGGTAGCTGTGGCAGCTGGCATC 1342
Db 832 GTGGCCCTCATGGAGAGTAGTACCTCATCATATACATATATCGGTAGCTGTGGCAGCTGGCATC 773

QY 1343 AGTGTGGCAGCTGCCCTCTTCTACTACCCCTGGTCCATGCTGCCTGATGTCAATGACGACTTC 1402
Db 772 AGTGTGGCAGCTGCCCTCTTCTACTACCCCTGGTCCATGCTGCCTGATGTCAATGACGACTTC 713

QY 1403 CATCTGAAGCAGCCCTCCATGCCATGAACCGAGCCCATCTCTCTCTCTTCTATGTCTTC 1462
Db 712 CATCTGAAGCAGCCCTCCATGCCATGAACCGAGCCCATCTCTCTCTCTTCTATGTCTTC 653

QY 1463 TTCACCAAGTTGCCCTCTGGAGTGTCACTGGGCATTTCTACCCCTCAGTCTGGACTTTGCA 1522
Db 652 TTCACCAAGTTGCCCTCTGGAGTGTCACTGGGCATTTCTACCCCTCAGTCTGGACTTTGCA 593

QY 1523 GGTACACAGACCCGCTGCTCGCAGCCGGAACGCTGT-CAAGTTTACACTGAACATGCT 1581
Db 592 GGTACACAGACCCGCTGCTCGCAGCCGGAACGCTGTACAAAGTTTACACTGAACATGCT 533
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QY 1582 CGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCTGCTGCTCTTCAAAATGTACCC 1641
Db 532 CGTGACCATGGCTCCCATAGTTCTCATCTGCTGGGCTGCTGCTCTTCAAAATGTACCC 473

QY 1642 CATTGATAGGAGAGCGCGCGGAGAGTAAGAAGGCCCTCGAGCACTAGAGGACGAGGC 1701
Db 472 CATTGATAGGAGAGCGCGCGGAGAGTAAGAAGGCCCTCGAGCACTAGAGGACGAGGC 413

QY 1702 CAGCAGCTGTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCCC 1761
Db 412 CAGCAGCTGTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCCC 353

QY 1762 GCCACGTTGCCGAAGCCACCATGCAGAAAGCCACAGAAAGGATCAGACCTGTCTGCCG 1821
Db 352 GCCACGTTGCCGAAGCCACCATGCAGAAAGCCACAGAAAGGATCAGACCTGTCTGCCG 293

QY 1822 GCTTGTGACAGCTGGAGCTGCAGGTGCTAGGAAGGAACTCAAGAGAGGTGGC 1881
Db 292 GCTTGTGACAGCTGGAGCTGCAGGTGCTAGGAAGGAACTCAAGAGAGGTGGC 233

QY 1882 CCAGGACACTTGTGCTGCTCACTGTGGGCGCGCTGCTCTGTG 1924
Db 232 CCAGGACACTTGTGCTGCTCACTGTGGGCGCGCTGCTCTGTG 190

RESULT 41
CB155704
LOCUS
DEFINITION
CB155704 Homo sapiens cDNA clone B2N807043-11-H11 5',
mRNA sequence.
ACCESSION
CB155704
VERSION
CB155704.1 GI:28140817
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 641)
Kim, N.S., Hahn, Y., Oh, J.H., Lee, J.Y., Ahn, H.Y., Chu, M.Y., Kim, M.R.,
Oh, K.J., Cheong, J.E., Sohn, H.Y., Kim, J.M., Park, H.S., Kim, S. and
Kim, Y.S.
21C Frontier Korean EST Project 2001
Unpublished
Contact: Kim YS
Genome Research Center
Korea Research Institute of Bioscience & Biotechnology
52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
Tel: +82-42-860-4470
Fax: +82-42-860-4409
Email: yongsung@mail.kribb.re.kr
Plate: 11 row: H column: 11
High quality sequence stop: 641.
FEATURES
source
1..641
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="B2N807043-11-H11"
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/sex="M"
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Site_2: NotI; The poly (A)+ RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped with tabacco acid pyrophosphatase (TAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoRI site by treatment of T4 RNA ligase and the first strand cDNA was synthesized from oligo dT-selected mRNA by priming with dT-tailed vector. The dT-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand

converted to a DNA strand by Okayama-Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10F' by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library."

BASE COUNT	113 a	207 c	180 g	140 t	1 others
ORIGIN					
Query Match	24.2%; Score 519; DB 14; Length 641;				
Best Local Similarity	99.7%; Pred. No. 1.1e-256;				
Matches	619; Conservative	0;	Mismatches	2;	Indels 0; Gaps 0;
QY	37	GC	CGGCTTGGCTAGCGCGCGCGCGCTGGCTTAAGGCTGCTACGAAGGAGGAGTTGGGAGG	96	
Db	21	GC	CGGCTTGGCTAGCGCGCGCGCGCTGGCTTAAGGCTGCTACGAAGGAGGAGTTGGGAGG	80	
QY	97	AG	CAGGGGCTCGGGGCGAGAGAGATCCCTCTACAGAGTCCCAAGGGGCTGGCCCG	156	
Db	81	AG	CAGGGGCTCGGGGCGAGAGAGATCCCTCTACAGAGTCCCAAGGGGCTGGCCCG	140	
QY	157	CG	GGTCATGCGCCAAAGGAGAGCGCGGAGAGCGCTCCGCGCGGGTGTACCCACC	216	
Db	141	CG	GGTCATGCGCCAAAGGAGAGCGCGGAGAGCGCTCCGCGCGGGTGTACCCACC	200	
QY	217	AG	CATCTCCAAAGCACTGAACCGCGCGCGCGCTGAGAGAAACCCGAAAAGAGAAA	276	
Db	201	AG	CATCTCCAAAGCACTGAACCGCGCGCGCGCTGAGAGAAACCCGAAAAGAGAAA	260	
QY	277	CA	ACAGTTGCTGTTTGAACAGCTTTCCTATGCACTTGGGGAGCCCTTACCAGG	336	
Db	261	CA	ACAGTTGCTGTTTGAACAGCTTTCCTATGCACTTGGGGAGCCCTTACCAGG	320	
QY	337	AC	GGGCTGTCCTCGGTTTCTCTTCAGATCTACCTATGATGTGCTCAGGTGGG	396	
Db	321	AC	GGGCTGTCCTCGGTTTCTCTTCAGATCTACCTATGATGTGCTCAGGTGGG	380	
QY	397	CC	TTCTCTCCATCAATCCGCTTGTGGGCGGAGCGCTGGATGCCATCACAGACCC	456	
Db	381	CC	TTCTCTCCATCAATCCGCTTGTGGGCGGAGCGCTGGATGCCATCACAGACCC	440	
QY	457	CT	GGTGGGCTCTGCATCAGCAATCCCTTGACCTGCTGGGTGCGCTTATGCCCTG	516	
Db	441	CT	GGTGGGCTCTGCATCAGCAATCCCTTGACCTGCTGGGTGCGCTTATGCCCTG	500	
QY	517	AT	CATCTCTCCACGCCCTGGCGCTATTCCTATTCCTATTCCTATTCCTATTCCTAT	576	
Db	501	AT	CATCTCTCCACGCCCTGGCGCTATTCCTATTCCTATTCCTATTCCTATTCCTAT	560	
QY	577	TT	CCACAGCGGCGAGACCTATTGGTACCTCTTTCTATTCCTCTTTGAAACAATGGTC	636	
Db	561	TT	CCACAGCGGCGAGACCTATTGGTACCTCTTTCTATTCCTCTTTGAAACAATGGTC	620	
QY	637	AC	GTGTTTCCATGTTCCCTAC	657	
Db	621	AC	GTGTTTCCATGTTCCCTAC	641	

RESULT 42
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DEFINITION NISC_gj09d07.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:3271332
3', mRNA sequence.
ACCESSION CB049217
VERSION CB049217.1 GI:27787504
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 597)
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL
COMMENT

Unpublished
Contact: Robert Strausberg, Ph.D.
Email: coapbs-r@mail.nih.gov
cDNA Library Preparation:
cDNA Library Arrayed by: The I.M.A.G.E. Consortium/LLNL
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC)
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
infoimage.llnl.gov
Plate: LLAM8008 row: G column: 13
Seq primer: -21M13 forward primer (ABI).
Location/Qualifiers
1. 597

FEATURES
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/clone="IMAGE:3271332"
/sex="male"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="NCI_CGAP_Pr28"
/note="Organ: prostate; Vector: pT73D-Pac (Pharmacia)
with a modified polylinker; Plasmid DNA from the
normalized library NCI_CGAP_Pr22 was prepared, and ss
circles were made in vitro. Following HAP purification,
this DNA was used as tracer in a subtractive hybridization
reaction. The driver was PCR-amplified cDNAs from a pool
of 5,000 clones made from the same library (clones
985608-986759, 1101192-1101959, and 1217928-1220615).
Subtraction by Bento Soares and M. Fatima Bonaldo."
BASE COUNT 127 a 165 c 151 g 154 t

ORIGIN

Query Match	23.4%;	Score 502;	DB 14;	Length 597;
Best Local Similarity	99.8%;	Pred. No. 6.6e-248;		
Matches	552;	Conservative	0;	Gaps 0;
			Mismatches 1;	Indels 0;
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Db	588	TGGCTCCCATAGTTCATCTGCTGGGCGCTGCTCTTCAAAATGATACCCCATTTGATG	529	
QY	1650	AGGAGAGCGCGCGCAGAAATAAGAAAGGCCCTGCAGGCACCTGAGGAGCAGAGCCAGCAGCT	1709	
Db	528	AGGAGAGCGCGCGCAGAAATAAGAAAGGCCCTGCAGGCACCTGAGGAGCAGAGCCAGCAGCT	469	
QY	1710	CTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCGCCGACAGT	1769	
Db	468	CTGGCTGCTCAGAAACAGACTCCACAGAGCTGGCTAGCATCTCTTAGGGCGCCGACAGT	409	
QY	1770	GCCCGAAGCCACCATGCAGAGGCCACAGAAAGGATCAGGACCTGCTGCGGGCTTGGCTG	1829	
Db	408	GCCCGAAGCCACCATGCAGAGGCCACAGAAAGGATCAGGACCTGCTGCGGGCTTGGCTG	349	
QY	1830	AGCAGCTGGACTGCAGGTGCTAGGAAGGGAACCTGAAGACTCAAGAGGTGGCCAGGACA	1889	
Db	348	AGCAGCTGGACTGCAGGTGCTAGGAAGGGAACCTGAAGACTCAAGAGGTGGCCAGGACA	289	
QY	1890	CTGTGCTGTCTACTGTGGGGCGGGCTGCTCTGTGGGCTCTGCTGCCCTCCCTCTGCCCTGCC	1949	
Db	288	CTTGTCTGTCTACTGTGGGGCGGGCTGCTCTGTGGCTCTGCTGCCCTCCCTCTGCCCTGCC	229	
QY	1950	TGTGGGGCCCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGCTAGCC	2009	
Db	228	TGTGGGGCCCAAGCCCTGGGGCTGCCACTGTGAATATGCCAAGGACTGATCGGGCTAGCC	169	
QY	2010	CGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCCTAAATTAATACTTAATGACTGTG	2069	
Db	168	CGGAACACTAATGTAGAAACCTTTTTTTTACAGAGCCCTAAATTAATACTTAATGACTGTG	109	
QY	2070	TACATAGCAATGTGTGTATGTATGTCTGTAGCTATTAAATGTTATTAAATTTTCATA	2129	
Db	108	TACATAGCAATGTGTGTATGTATGTCTGTAGCTATTAAATGTTATTAAATTTTCATA	49	


```
QY 2130 AAAGCTGGAAAGC 2142
|||||
Db 48 AAAGCTGGAAAGC 36

RESULT 43
AL543601
LOCUS
DEFINITION
AL543601 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
AL543601
ACCESSION
VERSION
SOURCE
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1. (bases 1 to 997)
Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
On Feb 15, 2001 this sequence version replaced gi:12876080.
Contact: Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 1026.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI006BE06Q1&cluster=1026.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paraday Avenue Genoscope sequence ID : CS0DI006BE06Q1.
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BASE COUNT 207 a 303 c 275 g 210 t 2 others
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DB 81 AGCAGCGGCTCGCGGGCGAGAGGAGCATCCGCTTACCAGTCCCAAGCGCGTGGCCG 140
QY 157 CGGCTCATGGCAAGGAGAGGCGCGAGAGCGGCTCCGCGGGGCTGCTACCCACC 216
DB |
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QY 277 CAACAGTGTCTGTTTGAACAAGCTTTGCTATGACATGGGGAGGCCCTACCAAGTG 336
DB |
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QY 337 AGGGCTGTGCGCTCGGCTTCTTCTTCAGATCTACCTATTGGATGGCTCAGTGGGC 396
DB |
DB 321 AGGGCTGTGCGCTCGGCTTCTTCTTCAGATCTACCTATTGGATGGCTCAGTGGGC 380
QY 397 CTTTCTGTGCTCATCATCTGTTTGTGGCCGAGGCTGGGATGCCATCACAGACCC 456
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DB 381 CTTTCTGTGCTCATCATCTGTTTGTGGCCGAGGCTGGGATGCCATCACAGACCC 440
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VERSION CB152391.1 GI:28137345
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SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 599)
AUTHORS Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R.,
Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
Kim,Y.S.
TITLE 21C Frontier Korean EST Project 2001
JOURNAL Unpublished
COMMENT Contact: Kim YS
Genome Research Center
Korea Research Institute of Bioscience & Biotechnology
52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
Tel: +82-42-860-4470
Fax: +82-42-860-4409
Email: yongsung@mail.kribb.re.kr
Plate: 20 row: G column: 10
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FEATURES
source

Location/Qualifiers
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/note="Organ: Brain; Vector: pcNS-D2; Site_1: EcoRI;
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bacterial alkaline phosphatase (BAP) and then decapped
with tabacco acid pyrophosphatase (TAP). The decapped
intact mRNA was ligated with DNA-RNA linker including
EcoRI site by treatment of T4 RNA ligase and the first
strand cDNA was synthesized from oligo dt-selected mRNA by
priming with dt-tailed vector. The dt-tailed vector was
adjusted to have about 60nt. The cDNA vector was
circularized with E. coli DNA ligase after digestion of
EcoRI which site is also included in vector. An RNA strand
converted to a DNA strand by Okayama-Berg method. The
obtained cDNA vectors were used for transformation of
competent cells E. coli Top10F' by electroporation method.
The cDNA libraries constructed by this method are
full-length enriched cDNA library."

BASE COUNT 105 a 194 c 173 g 125 t 2 others
ORIGIN

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Best Local Similarity 99.7%; Pred. No. 1.9e-234;

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Search completed: September 24, 2003, 19:39:04
Job time : 4618 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 24, 2003, 16:11:06 ; Search time 523 Seconds

(without alignments)

10195.965 Million cell updates/sec

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Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext, 60.0

Searched: 1678620 seqs, 124475471 residues

Word size : 10

Total number of hits satisfying chosen parameters: 1695511

Minimum DB seq length: 0

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Post-processing: Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC63
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Thu Sep 25 12:20:24 2003

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; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 9; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 3

US-09-989-279-19

; Sequence 19, Application US/09989279

; Patent No. US20020072496A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C56

; CURRENT APPLICATION NUMBER: US/09/989,279

; PRIOR FILING DATE: 2001-11-19

; PRIOR FILING DATE: 1997-06-16

; PRIOR FILING DATE: 1997-10-17

; PRIOR FILING DATE: 1997-10-17

; PRIOR FILING DATE: 1997-11-12

; PRIOR FILING DATE: 1997-11-13

; PRIOR FILING DATE: 1997-11-24

; PRIOR FILING DATE: 1998-02-25

; PRIOR FILING DATE: 1998-03-20

us-09-991-150-19.oli10.rnpb

Thu Sep 25 12:20:24 2003

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QY 2101 GTGACTATTATGCTTATTAATTTTCATAAAAGCTGGAAGC 2142
Db 2101 GTGACTATTATGCTTATTAATTTTCATAAAAGCTGGAAGC 2142

RESULT 4

US-09-989-727-19
; Sequence 19, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC65
; CURRENT APPLICATION NUMBER: US/09/989,727
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/043787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
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; PRIOR APPLICATION NUMBER: 60/087759
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19

100.0%; Score 2142; DB 9; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

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US-09-989-731-19
; Sequence 19, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C70
; CURRENT APPLICATION NUMBER: US/09/989,731
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 10; Length 2142;

Best Local Similarity 100.0%; Pred. No. 0;

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; Sequence 19, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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CURRENT FILING DATE: 2001-11-19
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; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982

Query Match      100.0%; Score 2142; DB 10; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR APPLICATION NUMBER: 60/066770
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58	PRIOR APPLICATION NUMBER: 60/091978	
59	PRIOR FILING DATE: 1998-07-07	
60	PRIOR APPLICATION NUMBER: 60/091982	
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Db 1861 CTGAAGACTCAAGGAGGTGGCCAGCAGTCTGCTGTGCTCAGTGTGGGCGCGGCTGCTC 1920
QY 1921 TGTGGCTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCTGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
QY 1981 AATATGCCAAGACTGATCGGGCTTAGCCCGGAAACACTAATGTAGAAACCTTTTTTTTAC 2040
Db 1981 AATATGCCAAGACTGATCGGGCTTAGCCCGGAAACACTAATGTAGAAACCTTTTTTTTAC 2040
QY 2041 AGAGCCTAATTAACTTAATGACTGTGTACATAGCAATGTGTGTGTGTGTGTGTGTGTGTGT 2100
Db 2041 AGAGCCTAATTAACTTAATGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2100
QY 2101 GTGAGCTAATTATGTTTAAATTTTTCATAAAAGCTGGAAAGC 2142
Db 2101 GTGAGCTAATTATGTTTAAATTTTTCATAAAAGCTGGAAAGC 2142

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Scruted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C22
CURRENT APPLICATION NUMBER: US/09/990,456
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/045787
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24

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301	CTTTGCTATGCACATTGGGGAGCCCTTACCAGGTGACGGCTGTGCCCTGGGTTCTTTC	360
301	CTTTGCTATGCACATTGGGGAGCCCTTACCAGGTGACGGCTGTGCCCTGGGTTCTTTC	360
361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCCCTTTCTCTGGCTCCATCATCTCG	420
361	CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCCCTTTCTCTGGCTCCATCATCTCG	420
421	TTTGTGGGCCGAGCCTGGGATGCCATCACAGCCCTTGGTGGGCCCTCTCATCAGCAAA	480
421	TTTGTGGGCCGAGCCTGGGATGCCATCACAGCCCTTGGTGGGCCCTCTCATCAGCAAA	480
481	TTCCCTCGACCTGGCTGGGTGCGCTTATGCCCTGGATCATCTTCTCAGCGCCCTGGCC	540
481	TTCCCTCGACCTGGCTGGGTGCGCTTATGCCCTGGATCATCTTCTCAGCGCCCTGGCC	540
541	GTCAATTGCCTACTTCTCATCTGGTTCGTCGCCGACATTCACACAGCGCAGACCTATTGG	600
541	GTCAATTGCCTACTTCTCATCTGGTTCGTCGCCGACATTCACACAGCGCAGACCTATTGG	600
601	TACCTGCTTTCTATTGCTCTTTGAAACAATGTGTCAGTGTTCCTATGTTCCCTACTCG	660
601	TACCTGCTTTCTATTGCTCTTTGAAACAATGTGTCAGTGTTCCTATGTTCCCTACTCG	660
661	GCTCTCACCATGTTTCATCAGCAACCGAGACTGACGGGATTCGCCACCGCTATCG	720
661	GCTCTCACCATGTTTCATCAGCAACCGAGACTGACGGGATTCGCCACCGCTATCG	720
721	GATGACTGTGGAAGTGTCTGGGCACAGTGTGGGCACGGCGATCCAGGACAAATCGTGGG	780
721	GATGACTGTGGAAGTGTCTGGGCACAGTGTGGGCACGGCGATCCAGGACAAATCGTGGG	780
781	CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840
781	CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840
841	CAACCATACACATGGGCACCACTTCACACAGGGAACGCAAAAGGATACCTGCTGGCAGC	900
841	CAACCATACACATGGGCACCACTTCACACAGGGAACGCAAAAGGATACCTGCTGGCAGC	900
901	GGGGTCAATTGTCTGTATCTATATATCTGTCTGTATCTTCACTCTGCTGGGCTCGGGA	960
901	GGGGTCAATTGTCTGTATCTATATATCTGTCTGTATCTTCACTCTGCTGGGCTCGGGA	960
961	GCAGAGAACCCCTATGAAGCCAGCAGTCTGAGCAATCGCTACTTCCGGGGCTCAG	1020
961	GCAGAGAACCCCTATGAAGCCAGCAGTCTGAGCAATCGCTACTTCCGGGGCTCAG	1020
1021	GCTGTCTATGAGCCAGCCCATACATCAAACTTATTACTGCTCTCTTCACTCTT	1080
1021	GCTGTCTATGAGCCAGCCCATACATCAAACTTATTACTGCTCTCTTCACTCTT	1080
1081	GGCTTTTCATGCTGGTGGAGGGAACCTTTGCTGTGTTTGGCACCTACACCTTGGGCTCGG	1140
1081	GGCTTTTCATGCTGGTGGAGGGAACCTTTGCTGTGTTTGGCACCTACACCTTGGGCTCGG	1140
1141	CAATGAATCCAGATCTACTCTGGCCATCATGCTCTCGGCCACTTTAACCACTTCCAT	1200
1141	CAATGAATCCAGATCTACTCTGGCCATCATGCTCTCGGCCACTTTAACCACTTCCAT	1200
1201	CTGGCAGTGGTCTTGACCCCGGTTTGGCAAGACAGCTGTATGTTGGGATCTCATC	1260
1201	CTGGCAGTGGTCTTGACCCCGGTTTGGCAAGACAGCTGTATGTTGGGATCTCATC	1260
1261	AGCAGTGCATTTCTCATCTTTGGTGGCCCTCATGGAGAGTAACCTCATCATTTACATGTC	1320
1261	AGCAGTGCATTTCTCATCTTTGGTGGCCCTCATGGAGAGTAACCTCATCATTTACATGTC	1320
1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGCGAGCTTCTTACTACCTGGTCCATGCT	1380
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGCTGGCGGACGCGTGGCGGCGCGCTGGCTGGCTAGCGCGCGCGG 60
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QY 61 CCGTGGCTAAGCTGCTACGAAGCGAGCTGGGAGGAGCAGCGCGCTGCGGGGAGAGGA 120
DB 61 CCGTGGCTAAGCTGCTACGAAGCGAGCTGGGAGGAGCAGCGCGCTGCGGGGAGAGGA 120

QY 121 GCATCCCGCTTACCAGGTCCCAAGCGCGTGGCGGCGCGGTGCTGGCAAGAGAGAGGC 180
DB 121 GCATCCCGCTTACCAGGTCCCAAGCGCGTGGCGGCGCGGTGCTGGCAAGAGAGAGGC 180

QY 181 GCCGAGAGCGGCTCGCGGCGGCGTGTACCCACGAGCATCTCCAAAGCAGTGAACGC 240
DB 181 GCCGAGAGCGGCTCGCGGCGGCGTGTACCCACGAGCATCTCCAAAGCAGTGAACGC 240

QY 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAGAAACAGTGTCTGTGTGCAACAG 300
DB 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAGAAACAGTGTCTGTGTGCAACAG 300

QY 301 CTTTGTATGCACTTGGGGAGCGCCCTACAGGTGAGCGGCTGTGCCCTGGGTTCCTC 360
DB 301 CTTTGTATGCACTTGGGGAGCGCCCTACAGGTGAGCGGCTGTGCCCTGGGTTCCTC 360

QY 361 CTTGAGATCTACCTATTGGATGTGCTAGGTGGCGCCCTTTCTCTGCTCCATCATCTG 420
DB 361 CTTGAGATCTACCTATTGGATGTGCTAGGTGGCGCCCTTTCTCTGCTCCATCATCTG 420

QY 421 TTTGTGGCGGAGCGCTGCGATGCCATCAGACACCCCTGGTGGGCGCTCTGATCAGCAAA 480
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DB 1 CGGACGGCTGGCGGACGCGTGGCGGCGCGCTGGCTGGCTAGCGCGCGCGG 60

QY 61 CCGTGGCTAAGCTGCTACGAAGCGAGCTGGGAGGAGCAGCGCGCTGCGGGGAGAGGA 120
DB 61 CCGTGGCTAAGCTGCTACGAAGCGAGCTGGGAGGAGCAGCGCGCTGCGGGGAGAGGA 120

QY 121 GCATCCCGCTTACCAGGTCCCAAGCGCGTGGCGGCGCGGTGCTGGCAAGAGAGAGGC 180
DB 121 GCATCCCGCTTACCAGGTCCCAAGCGCGTGGCGGCGCGGTGCTGGCAAGAGAGAGGC 180

QY 181 GCCGAGAGCGGCTCGCGGCGGCGTGTACCCACGAGCATCTCCAAAGCAGTGAACGC 240
DB 181 GCCGAGAGCGGCTCGCGGCGGCGTGTACCCACGAGCATCTCCAAAGCAGTGAACGC 240

QY 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAGAAACAGTGTCTGTGTGCAACAG 300
DB 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAGAAACAGTGTCTGTGTGCAACAG 300

QY 301 CTTTGTATGCACTTGGGGAGCGCCCTACAGGTGAGCGGCTGTGCCCTGGGTTCCTC 360
DB 301 CTTTGTATGCACTTGGGGAGCGCCCTACAGGTGAGCGGCTGTGCCCTGGGTTCCTC 360

QY 361 CTTGAGATCTACCTATTGGATGTGCTAGGTGGCGCCCTTTCTCTGCTCCATCATCTG 420
DB 361 CTTGAGATCTACCTATTGGATGTGCTAGGTGGCGCCCTTTCTCTGCTCCATCATCTG 420

QY 421 TTTGTGGCGGAGCGCTGCGATGCCATCAGACACCCCTGGTGGGCGCTCTGATCAGCAAA 480
DB 421 TTTGTGGCGGAGCGCTGCGATGCCATCAGACACCCCTGGTGGGCGCTCTGATCAGCAAA 480

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; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 10; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CGGACGGCTGGGGAGCGGTGGCGGACGCGTGGGGCGCGGTGGGTAGCGCGCGGG 60

Qy 61 CCCTGGCTAAGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGCCCTCGGGGCGAGGA 120
Db 61 CCCTGGCTAAGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGCCCTCGGGGCGAGGA 120

Qy 121 GCATCCGCTTACAGGTCCCAAGCGCGTGGCCCGGGGTGATGGCCAAAGGAGAAGC 180
Db 121 GCATCCGCTTACAGGTCCCAAGCGCGTGGCCCGGGGTGATGGCCAAAGGAGAAGC 180

Qy 181 GCGAGAGCGCTCCGCGGGGGCTGTACCCACGAGCATCTCCAGACACTGAACGC 240
Db 181 GCGAGAGCGCTCCGCGGGGGCTGTACCCACGAGCATCTCCAGACACTGAACGC 240

Qy 241 CCGGCCAGGTGAAGAAGAACCCGAAAAAGAAACAAAGATTGCTGTTGCAACAAG 300
Db 241 CCGGCCAGGTGAAGAAGAACCCGAAAAAGAAACAAAGATTGCTGTTGCAACAAG 300

Qy 301 CTTTGTGATGACATTTGGGGAGCCCCCTACAGGTGACGGCTGTGCCCTGCTCTTC 360
Db 301 CTTTGTGATGACATTTGGGGAGCCCCCTACAGGTGACGGCTGTGCCCTGCTCTTC 360

Qy 361 CTTTCAGATCTACCTATTGGATGGCTCAGGTGGGCCCTTCTCTGCTCCATCATCTG 420
Db 361 CTTTCAGATCTACCTATTGGATGGCTCAGGTGGGCCCTTCTCTGCTCCATCATCTG 420

Qy 421 TTTTGGCGGAGCGCTGGGATGCCATCACAGACCCCTGGTGGCCCTTGCATCAGCAAA 480
Db 421 TTTTGGCGGAGCGCTGGGATGCCATCACAGACCCCTGGTGGCCCTTGCATCAGCAAA 480

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Db 721 GATGACTGTGGAAGTGTCTGGGACAGTGTGGGACCGCGGATTCACAGGACAAATCGTGGG 780

Qy 781 CCAAGCAGACAGCGCTTTGTTTCCAGGACTTCAATAGCTCTACAGTACGTTTCACAAAGTGC 840
Db 781 CCAAGCAGACAGCGCTTTGTTTCCAGGACTTCAATAGCTCTACAGTACGTTTCACAAAGTGC 840

Qy 841 CAACCATACACATGGCACCACTTTCACACAGGAAACGCAAAAGGCATACCTGTGGCAGC 900
Db 841 CAACCATACACATGGCACCACTTTCACACAGGAAACGCAAAAGGCATACCTGTGGCAGC 900

Qy 901 GGGGTCATTTGTCTGTATCTATATATCTGTGCTGTCTCTGATCTCTGGCGTGGCGGA 960
Db 901 GGGGTCATTTGTCTGTATCTATATATCTGTGCTGTCTCTGATCTCTGGCGTGGCGGA 960

Qy 961 GCAGAGAGAACCCCTATGAAGCCCGCAGAGTCTGAGCCCAATCGCTTACTTCCGGGCGCTACG 1020
Db 961 GCAGAGAGAACCCCTATGAAGCCCGCAGAGTCTGAGCCCAATCGCTTACTTCCGGGCGCTACG 1020

Qy 1021 GCTGGTCATGAGCCACGCGCCCATACATCAAACTTTATTACTGGCTTCTCTTCACTCCTT 1080
Db 1021 GCTGGTCATGAGCCACGCGCCCATACATCAAACTTTATTACTGGCTTCTCTTCACTCCTT 1080

Qy 1081 GGCTTTTCATGCTGGTGGAGGGAACTTTGCTTGTGTTTGGACCTTACACCTTGGGCTTCCG 1140
Db 1081 GGCTTTTCATGCTGGTGGAGGGAACTTTGCTTGTGTTTGGACCTTACACCTTGGGCTTCCG 1140

Qy 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATCTCTCGGCCACTTTTAAACCATTTCCCAT 1200
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Qy 1201 CTGCGAGTGGTCTTGACCGGTTTGGCAAGACACAGCTGTATATGTGGGATCTCATC 1260
Db 1201 CTGCGAGTGGTCTTGACCGGTTTGGCAAGACACAGCTGTATATGTGGGATCTCATC 1260

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Db 1261 AGCAGTGGCTTCTCATCTTGGTGGCCCTCATCGAGAGTAACCTCATATACATATGC 1320

Qy 1321 GGTAGCTGTGGCAGCTGGCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCT 1380
Db 1321 GGTAGCTGTGGCAGCTGGCAGTGTGGCAGCTGCTTCTTACTACCTGGTCCATGCT 1380

Qy 1381 GCCTGATGTGATGACGACTTCCATCTGAAGCAGCCCATCTCCATGGAACCGAGCCCAT 1440
Db 1381 GCCTGATGTGATGACGACTTCCATCTGAAGCAGCCCATCTCCATGGAACCGAGCCCAT 1440

Qy 1441 CTTCTCTCTCTCTCTCTCTCTTTCACCAAGTTTGGCTCTGAGTGTCTCTGGGATTC 1500
Db 1441 CTTCTCTCTCTCTCTCTCTCTTTCACCAAGTTTGGCTCTGAGTGTCTCTGGGATTC 1500

Qy 1501 TACCTCAGTCTGAGCTTTGCGAGGTACCGAGCCCGTGGCTGCTCGAGCGCGGAACGCTGT 1560
Db 1501 TACCTCAGTCTGAGCTTTGCGAGGTACCGAGCCCGTGGCTGCTCGAGCGCGGAACGCTGT 1560

Qy 1561 CAACTTTTACACTGAACATGCTGAGCATGGCTCCCATAGTCTTCTCATCTCTGGGCT 1620
Db 1561 CAACTTTTACACTGAACATGCTGAGCATGGCTCCCATAGTCTTCTCATCTCTGGGCT 1620

Qy 1621 GCTCCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGCGGAGGAGGAGGCGCT 1680
Db 1621 GCTCCTCTTCAAAATGTACCCCATTTGATGAGGAGGCGCGGAGGAGGAGGCGCT 1680

Qy 1681 GCAGGCACTGAGGAGGAGGCGGAGGCTGTGGTGTCTGAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCACTGAGGAGGAGGCGGAGGCTGTGGTGTCTGAGAAACAGACTCCACAGAGCT 1740

Qy 1741 GGCTAGCATCTCTTAGGGCCCGCGCAGCTTGGCCCGAAGCCCATCTGCAAGAGGCGCACAGAA 1800

RESULT 14

US-09-989-293A-19

; Sequence 19, Application US/0989293A

; Patent No. US2002017164A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

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; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730PIC66

; CURRENT APPLICATION NUMBER: US/09/989,293A

; CURRENT FILING DATE: 2001-11-20

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; PRIOR FILING DATE: 1997-06-16

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104 PRIOR APPLICATION NUMBER: 60/087827
105 PRIOR FILING DATE: 1998-06-03
106 PRIOR APPLICATION NUMBER: 60/088021
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172 PRIOR FILING DATE: 1998-07-09

Query Match

100.0%; Score 2142; DB 10; Length 2142;

Best Local Similarity 100.0%; Pred. No. 0;				Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	CGGACGCGTGGCGACGCGTGGCGGACGCGTGGGCGCGGCTGGCTAGCGCGCGGG	60				
Db	1	CGGACGCGTGGCGACGCGTGGCGGACGCGTGGGCGCGGCTGGCTAGCGCGCGGG	60				
QY	61	CGGTGGCTAAGCTGCTACGAAGCGAGCTTGGGAGGACGCGGCTCGGGGCGAGGA	120				
Db	61	CGGTGGCTAAGCTGCTACGAAGCGAGCTTGGGAGGACGCGGCTCGGGGCGAGGA	120				
QY	121	GCATCCGCTACACAGTCCCAAGCGGTGGCGCGGGTCAATGGCCAAAGAGGAAGGC	180				
Db	121	GCATCCGCTACACAGTCCCAAGCGGTGGCGCGGGTCAATGGCCAAAGAGGAAGGC	180				
QY	181	GCCGAGCGGCTCGCGCGGGGCTGTACCCACGACATCTCCAAAGCACTGAAGCG	240				
Db	181	GCCGAGCGGCTCGCGCGGGGCTGTACCCACGACATCTCCAAAGCACTGAAGCG	240				
QY	241	CGGCGCCAGTGAAGAAAGAACCGAAAGAGAAACAAACAGTTCTGTGTTGCAACAAG	300				
Db	241	CGGCGCCAGTGAAGAAAGAACCGAAAGAGAAACAAACAGTTCTGTGTTGCAACAAG	300				
QY	301	CTTTGCTATGCACTTGGGGAGCCCTTACCAGGTGACGGGTGTGCCCTGGGTTTCTTC	360				
Db	301	CTTTGCTATGCACTTGGGGAGCCCTTACCAGGTGACGGGTGTGCCCTGGGTTTCTTC	360				
QY	361	CTTCAGATCACTATTGGATGTGCTCAGGTGGCCCTTCTCTGCCCTCCATCATCTCG	420				
Db	361	CTTCAGATCACTATTGGATGTGCTCAGGTGGCCCTTCTCTGCCCTCCATCATCTCG	420				
QY	421	TTTGTGGCGGAGCCTGGATGCCATCACAGACCCCTGTGGGCTCTGCAATCAGCAA	480				
Db	421	TTTGTGGCGGAGCCTGGATGCCATCACAGACCCCTGTGGGCTCTGCAATCAGCAA	480				
QY	481	TCCCCGTGACGTCGCGTGGTGCCTTATGCCCTGGATCATCTTCCACGCCCTGGCC	540				
Db	481	TCCCCGTGACGTCGCGTGGTGCCTTATGCCCTGGATCATCTTCCACGCCCTGGCC	540				
QY	541	GTCAATGGCTTACTTCTCATCTGTGTCGCGGACTTCCACAGCGCCAGACCTATTGG	600				
Db	541	GTCAATGGCTTACTTCTCATCTGTGTCGCGGACTTCCACAGCGCCAGACCTATTGG	600				
QY	601	TACCTGCTTTCTATTTCCTCTTTGAACAATGTGCACGTGTTTCCATGTTCCCTACTCG	660				
Db	601	TACCTGCTTTCTATTTCCTCTTTGAACAATGTGCACGTGTTTCCATGTTCCCTACTCG	660				
QY	661	GCTCTCACCATGTTTCATCAGCAACCGACAGACTGAGCGGATTCGCCACCGCCTATCG	720				
Db	661	GCTCTCACCATGTTTCATCAGCAACCGACAGACTGAGCGGATTCGCCACCGCCTATCG	720				
QY	721	GATGACTGTGGAAGTGTGGGACAGTGTGGCACGGGATCCAGGGACAATCGTGGG	780				
Db	721	GATGACTGTGGAAGTGTGGGACAGTGTGGCACGGGATCCAGGGACAATCGTGGG	780				
QY	781	CCAGCAGACGCGCTGTTTTCAGGACTTCAATAGCTTACAGTACCTTACAAAGTGC	840				
Db	781	CCAGCAGACGCGCTGTTTTCAGGACTTCAATAGCTTACAGTACCTTACAAAGTGC	840				
QY	841	CACCATACACATGGGACCACTTCACACAGGAAACGAAAGGCATACCTGCTGGCAGC	900				
Db	841	CACCATACACATGGGACCACTTCACACAGGAAACGAAAGGCATACCTGCTGGCAGC	900				
QY	901	GGGGTCTATTGCTGTATCTATATAATCTGTGTCATCCTGATCCTGGGCGTGGGA	960				
Db	901	GGGGTCTATTGCTGTATCTATATAATCTGTGTCATCCTGATCCTGGGCGTGGGA	960				
QY	961	GCAGAGAACCCCTATGAAGCCAGAGTGTGAGCCAAATCGCCTACTTCGGGGCCTACG	1020				
Db	961	GCAGAGAACCCCTATGAAGCCAGAGTGTGAGCCAAATCGCCTACTTCGGGGCCTACG	1020				
QY	1021	GCTGTCATGAGCCAGCCCATACATCAAACTATTACTGGCTTCTCTTACCTCCCTT	1080				
Db	1021	GCTGTCATGAGCCAGCCCATACATCAAACTATTACTGGCTTCTCTTACCTCCCTT	1080				

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QY	1081	GGCTTTCATGCTGGTGGAGGGAACCTTTGCTCTTTGTTTGCACCTACACCTTGGGCTCCG	1140
Db	1081	GGCTTTCATGCTGGTGGAGGGGAACCTTTGCTCTTTGTTTGCACCTACACCTTGGGCTCCG	1140
QY	1141	CAATGAATCCAGAACTACTCCTGGCCATCATGCTCTCGGCCACTTTAACCATTTCCCAT	1200
Db	1141	CAATGAATCCAGAACTACTCCTGGCCATCATGCTCTCGGCCACTTTAACCATTTCCCAT	1200
QY	1201	CTGGCAGTGGTCTTGACCCGGTGTGCAAGAGACAGCTGTATATGTTGGGATCTCATC	1260
Db	1201	CTGGCAGTGGTCTTGACCCGGTGTGCAAGAGACAGCTGTATATGTTGGGATCTCATC	1260
QY	1261	AGCAGTCCCATTTCTCATCTTGTGGCCCTCATGGAGAGTAAGCTCATCATATTACATATGC	1320
Db	1261	AGCAGTCCCATTTCTCATCTTGTGGCCCTCATGGAGAGTAAGCTCATCATATTACATATGC	1320
QY	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTTGGTCCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTTGGTCCATGCT	1380
QY	1381	GCCTGATGTCATTTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCCGAGCCCAT	1440
Db	1381	GCCTGATGTCATTTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCCGAGCCCAT	1440
QY	1441	CTTCTTCTCCCTCTATGTCTTCTTCCAAAGTTTGCCTCTGGAGTGTCACTGGGCATTTTC	1500
Db	1441	CTTCTTCTCCCTCTATGTCTTCTTCCAAAGTTTGCCTCTGGAGTGTCACTGGGCATTTTC	1500
QY	1501	TACCTCAGCTCGGACTTTGACGGGTACAGAGCCGCTGGCTGCTCGCAGCGCGGAACGCTGT	1560
Db	1501	TACCTCAGCTCGGACTTTGACGGGTACAGAGCCGCTGGCTGCTCGCAGCGCGGAACGCTGT	1560
QY	1561	CAAGTTTACACTGAACATGCTGTCGACCATGGCTCCCATAAGTTCTCATCTGCTGGGCT	1620
Db	1561	CAAGTTTACACTGAACATGCTGTCGACCATGGCTCCCATAAGTTCTCATCTGCTGGGCT	1620
QY	1621	GCTGCTCTTCAAAATGTATACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGCCCT	1680
Db	1621	GCTGCTCTTCAAAATGTATACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGCCCT	1680
QY	1681	GCAGCACTGAGGACGAGGCGCAGCAGCTCTGGCTGCTTCAGAAACAGACTCCACAGAGCT	1740
Db	1681	GCAGCACTGAGGACGAGGCGCAGCAGCTCTGGCTGCTTCAGAAACAGACTCCACAGAGCT	1740
QY	1741	GGCTAGCATCTCTAGGCGCCGCCACGTTGCCGGAAGCCCATGTCAGAGGCCACAGAA	1800
Db	1741	GGCTAGCATCTCTAGGCGCCGCCACGTTGCCGGAAGCCCATGTCAGAGGCCACAGAA	1800
QY	1801	GGGATCAGGACCTGTCTCCCGCTTGTGAGCAGCTGGACTGCAGGTGCTAGGAAGGAA	1860
Db	1801	GGGATCAGGACCTGTCTCCCGCTTGTGAGCAGCTGGACTGCAGGTGCTAGGAAGGAA	1860
QY	1861	CTGAAGACTCAAGGAGTGGCCAGGACACTTGTCTGCTCTCACTGTGGGGCGGCTGCTC	1920
Db	1861	CTGAAGACTCAAGGAGTGGCCAGGACACTTGTCTGCTCTCACTGTGGGGCGGCTGCTC	1920
QY	1921	TGTGGCTCTCCCTCCCTCTGCTGCTGCTGGGGCCAAAGCCCTGGGCTGCCACTGTG	1980
Db	1921	TGTGGCTCTCCCTCCCTCTGCTGCTGCTGGGGCCAAAGCCCTGGGCTGCCACTGTG	1980
QY	1981	AATATGCCAAGGACTGATGGGCTTAGCCCGGAACACTAACTAGAAAACCTTTTTTTTAC	2040
Db	1981	AATATGCCAAGGACTGATGGGCTTAGCCCGGAACACTAACTAGAAAACCTTTTTTTTAC	2040
QY	2041	AGAGCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGCT	2100
Db	2041	AGAGCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGCT	2100
QY	2101	GAGAGCTAATTAATTAATTAATTTTCATAAAAGCTGGAAAGC 2142	
Db	2101	GAGAGCTAATTAATTAATTAATTTTCATAAAAGCTGGAAAGC 2142	

RESULT 16

US-09-990-444-19
Sequence 19, Application US/09990444
Publication No. US20020193300A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C19
CURRENT APPLICATION NUMBER: US/09/990,444
CURRENT FILING DATE: 2001-11-14
PRIORITY APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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Db	1261	AGCAGTGCCTATTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATCATTTACATATGC	1320
Qy	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCTCGTGCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCTCGTGCATGCT	1380
Qy	1381	GCCTGATGTCAATTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCCGAGCCCAT	1440
Db	1381	GCCTGATGTCAATTGACGACTTCCATCTGAAGCAGCCCCACTTCCATGGAACCCGAGCCCAT	1440
Qy	1441	CTTCTTTCTCCTTCTATGTCTTCTTACCAAGTTTGGCTCTGGAGTGTCACTGGGCAATTTTC	1500
Db	1441	CTTCTTTCTCCTTCTATGTCTTCTTACCAAGTTTGGCTCTGGAGTGTCACTGGGCAATTTTC	1500
Qy	1501	TACCCCTCAGTCTGGACTTTTGCAGGGTACCAGACCCGCTGCTCGCAGCCGCGAAGCTGT	1560
Db	1501	TACCCCTCAGTCTGGACTTTTGCAGGGTACCAGACCCGCTGCTCGCAGCCGCGAAGCTGT	1560
Qy	1561	CAAGTTTACACTGAACATGCTGTGACCATTGGCTCCCATAGTTTCTCATCTGCTGGGCCCT	1620
Db	1561	CAAGTTTACACTGAACATGCTGTGACCATTGGCTCCCATAGTTTCTCATCTGCTGGGCCCT	1620
Qy	1621	GCTGTCTTCTCAAAATGTACCCCAATTGATGAGGAGAGGGCGGCGCAGAAATGAAGGCCCT	1680
Db	1621	GCTGTCTTCTCAAAATGTACCCCAATTGATGAGGAGAGGGCGGCGCAGAAATGAAGGCCCT	1680
Qy	1681	GCAGGCACCTCAGGAGCAGAGGCCACGACTCTGCTGCTCAGAAACAGACTCCACACAGCT	1740
Db	1681	GCAGGCACCTCAGGAGCAGAGGCCACGACTCTGCTGCTCAGAAACAGACTCCACACAGCT	1740
Qy	1741	GGCTAGCATCCTCTAGGGCCCCGCACGTTTGCCCGAAGCCACCATGCAGAAGGCCACAGAA	1800
Db	1741	GGCTAGCATCCTCTAGGGCCCCGCACGTTTGCCCGAAGCCACCATGCAGAAGGCCACAGAA	1800
Qy	1801	GGGATCAGGACCTGTCTGCGGGCTTGGCTGAGCAGCTTGGACTGCAGTGTCTAGGAAGGGAA	1860
Db	1801	GGGATCAGGACCTGTCTGCGGGCTTGGCTGAGCAGCTTGGACTGCAGTGTCTAGGAAGGGAA	1860
Qy	1861	CTGAAGACTCAAGGAGTGGCCCCAGGACACTTCTGTCTGCTACTGTGGGCGCGGCTGCTC	1920
Db	1861	CTGAAGACTCAAGGAGTGGCCCCAGGACACTTCTGTGCTCACTGTGGGCGCGGCTGCTC	1920
Qy	1921	TGTGGCCCTCTGCCCTCCCTCTGCTGCTGCTGCTGGGCGCAAGCCCTGGGGCTGCCACTGTG	1980
Db	1921	TGTGGCCCTCTGCCCTCCCTCTGCTGCTGCTGCTGGGCGCAAGCCCTGGGGCTGCCACTGTG	1980
Qy	1981	AATATGCCAAGGACTGATCGGGCTTAGCCCGGAACACTAATGTAGAAACCTTTTTTTTAC	2040
Db	1981	AATATGCCAAGGACTGATCGGGCTTAGCCCGGAACACTAATGTAGAAACCTTTTTTTTAC	2040
Qy	2041	AGAGCCTTAATTAACCTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
Db	2041	AGAGCCTTAATTAACCTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
Qy	2101	GTGAGCTAATTAATGTTAATTTTTCATAAAAGCTGGAAAGC	2142
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RESULT 17

US-009117
Sequence 19, Application US/09991181
Publication No. US20020197615A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone

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PRIOR FILING DATE: 1998-06-05	
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PRIOR FILING DATE: 1998-06-09	
PRIOR APPLICATION NUMBER: 60/088734	
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PRIOR FILING DATE: 1998-06-24	
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC69
CURRENT APPLICATION NUMBER: US/09/989,730
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 10; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 GCATCCCGCTTACCAGGTCCCAAGCGCGGCTGTCATGGCCAAAGGAGAAGGC 180

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Qy 361 CTTGAGATCTACCTATTGGATGTGGCTAGGCTGAGTGGGCGCTTCTCTGCTCCATCATCTG 420
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RESULT 20

US-09-993-687-19
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; Publication No. US20020198149A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P11
; CURRENT APPLICATION NUMBER: US/09/993,687
; CURRENT FILING DATE: 2002-11-14
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; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28

1	PRIOR APPLICATION NUMBER: 60/084600	1	PRIOR FILING DATE: 1998-06-17
2	PRIOR FILING DATE: 1998-05-07	2	PRIOR APPLICATION NUMBER: 60/0896553
3	PRIOR APPLICATION NUMBER: 60/087106	3	PRIOR FILING DATE: 1998-06-17
4	PRIOR FILING DATE: 1998-05-28	4	PRIOR APPLICATION NUMBER: 60/089801
5	PRIOR APPLICATION NUMBER: 60/087607	5	PRIOR FILING DATE: 1998-06-18
6	PRIOR FILING DATE: 1998-06-02	6	PRIOR APPLICATION NUMBER: 60/089907
7	PRIOR APPLICATION NUMBER: 60/087609	7	PRIOR FILING DATE: 1998-06-18
8	PRIOR FILING DATE: 1998-06-02	8	PRIOR APPLICATION NUMBER: 60/089908
9	PRIOR APPLICATION NUMBER: 60/087759	9	PRIOR FILING DATE: 1998-06-18
10	PRIOR FILING DATE: 1998-06-02	10	PRIOR APPLICATION NUMBER: 60/089947
11	PRIOR APPLICATION NUMBER: 60/087827	11	PRIOR FILING DATE: 1998-06-19
12	PRIOR FILING DATE: 1998-06-03	12	PRIOR APPLICATION NUMBER: 60/089948
13	PRIOR APPLICATION NUMBER: 60/088021	13	PRIOR FILING DATE: 1998-06-19
14	PRIOR FILING DATE: 1998-06-04	14	PRIOR APPLICATION NUMBER: 60/089952
15	PRIOR APPLICATION NUMBER: 60/088025	15	PRIOR FILING DATE: 1998-06-19
16	PRIOR FILING DATE: 1998-06-04	16	PRIOR APPLICATION NUMBER: 60/090246
17	PRIOR APPLICATION NUMBER: 60/088026	17	PRIOR FILING DATE: 1998-06-22
18	PRIOR FILING DATE: 1998-06-04	18	PRIOR APPLICATION NUMBER: 60/090252
19	PRIOR APPLICATION NUMBER: 60/088028	19	PRIOR FILING DATE: 1998-06-22
20	PRIOR FILING DATE: 1998-06-04	20	PRIOR APPLICATION NUMBER: 60/090254
21	PRIOR APPLICATION NUMBER: 60/088029	21	PRIOR FILING DATE: 1998-06-22
22	PRIOR FILING DATE: 1998-06-04	22	PRIOR APPLICATION NUMBER: 60/090349
23	PRIOR APPLICATION NUMBER: 60/088030	23	PRIOR FILING DATE: 1998-06-23
24	PRIOR FILING DATE: 1998-06-04	24	PRIOR APPLICATION NUMBER: 60/090355
25	PRIOR APPLICATION NUMBER: 60/088033	25	PRIOR FILING DATE: 1998-06-23
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35	PRIOR APPLICATION NUMBER: 60/088217	35	PRIOR FILING DATE: 1998-06-24
36	PRIOR FILING DATE: 1998-06-05	36	PRIOR APPLICATION NUMBER: 60/090472
37	PRIOR APPLICATION NUMBER: 60/088655	37	PRIOR FILING DATE: 1998-06-24
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39	PRIOR APPLICATION NUMBER: 60/088734	39	PRIOR FILING DATE: 1998-06-24
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41	PRIOR APPLICATION NUMBER: 60/088738	41	PRIOR FILING DATE: 1998-06-24
42	PRIOR FILING DATE: 1998-06-10	42	PRIOR APPLICATION NUMBER: 60/090542
43	PRIOR APPLICATION NUMBER: 60/088742	43	PRIOR FILING DATE: 1998-06-24
44	PRIOR FILING DATE: 1998-06-10	44	PRIOR APPLICATION NUMBER: 60/090557
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62	PRIOR FILING DATE: 1998-06-16	62	PRIOR APPLICATION NUMBER: 60/091360
63	PRIOR APPLICATION NUMBER: 60/089514	63	PRIOR FILING DATE: 1998-07-01
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65	PRIOR APPLICATION NUMBER: 60/089532	65	PRIOR FILING DATE: 1998-07-02
66	PRIOR FILING DATE: 1998-06-17	66	PRIOR APPLICATION NUMBER: 60/091544
67	PRIOR APPLICATION NUMBER: 60/089538	67	PRIOR FILING DATE: 1998-07-01
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69	PRIOR APPLICATION NUMBER: 60/089598		

; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match		100.0%;	Score 2142;	DB 10;	Length 2142;		
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QY	1	CGAGCGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTTGGCTAGGCGCGGCGG	60				
Db	1	CGAGCGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTTGGCTAGGCGCGGCGG	60				
QY	61	CGTGGCTAAGGCTGCTACGAAGCGAGCTTGGAGAGAGAGCGGCTCGGGGGCAGAGA	120				
Db	61	CGTGGCTAAGGCTGCTACGAAGCGAGCTTGGAGAGAGAGCGGCTCGGGGGCAGAGA	120				
QY	121	GCATCCGCTACCAAGTCCCAAGCGCGTGGCGGCGGCTCATGCCAAAGAGAAAGGC	180				
Db	121	GCATCCGCTACCAAGTCCCAAGCGCGTGGCGGCGGCTCATGCCAAAGAGAAAGGC	180				
QY	181	GCGAGAGCGGCTCCGCGCGGCGTGTACCCACAGCATCCTCCAAAGCACTGAAAGC	240				
Db	181	GCGAGAGCGGCTCCGCGCGGCGTGTACCCACAGCATCCTCCAAAGCACTGAAAGC	240				
QY	241	CGGGCCCGAGTGAAGAAGACCGAAAGAGAAAGAAACACAGTGTCTGTTTGCACAAAG	300				
Db	241	CGGGCCCGAGTGAAGAAGACCGAAAGAGAAAGAAACACAGTGTCTGTTTGCACAAAG	300				
QY	301	CTTTGTATGACCTTGGGGGAGCCCTTACAGGTGACGGGTGTGCCCTGGGTTTCTTC	360				
Db	301	CTTTGTATGACCTTGGGGGAGCCCTTACAGGTGACGGGTGTGCCCTGGGTTTCTTC	360				
QY	361	CTTCAGATACATATTGGATGTGCTCAGGTGGGCGCTTCTCTGCCCTCCATCATCTCG	420				
Db	361	CTTCAGATACATATTGGATGTGCTCAGGTGGGCGCTTCTCTGCCCTCCATCATCTCG	420				
QY	421	TTTGTGGCGGAGCGTGGGATGCCATCAGAGCCCGCTTGTGGCGCTCTGCATCAGCAAA	480				
Db	421	TTTGTGGCGGAGCGTGGGATGCCATCAGAGCCCGCTTGTGGCGCTCTGCATCAGCAAA	480				
QY	481	TCCCGCTGGACCTGCCTTGGCTTATGCCCTGGATCATCTCTCCAGCCCGCTGGCC	540				
Db	481	TCCCGCTGGACCTGCCTTGGCTTATGCCCTGGATCATCTCTCCAGCCCGCTGGCC	540				
QY	541	GTCAATGCCCTACTTCCCTCATCTGTTGCTGCCGAGCTTCCACAGCGCCAGAGCTATTGG	600				
Db	541	GTCAATGCCCTACTTCCCTCATCTGTTGCTGCCGAGCTTCCACAGCGCCAGAGCTATTGG	600				
QY	601	TACCTGCTTTTCTATTGCCCTTTTGAACAATGTCACGFTTTCATGTTCCCTACTCG	660				
Db	601	TACCTGCTTTTCTATTGCCCTTTTGAACAATGTCACGFTTTCATGTTCCCTACTCG	660				
QY	661	GCTCTACAGATTTTATCAGAACCGAGAGACTGACGGGATCTGCCACCGCTATCG	720				
Db	661	GCTCTACAGATTTTATCAGAACCGAGAGACTGACGGGATCTGCCACCGCTATCG	720				
QY	721	GATGACTGTGAAGTGTGGGACAGTGTGGGACCGGCTCCAGGACAAATTCGTGGG	780				
Db	721	GATGACTGTGAAGTGTGGGACAGTGTGGGACCGGCTCCAGGACAAATTCGTGGG	780				
QY	781	CCAGCAGACACGCGCTTTTCCAGGACTTCAATAGCTTACAGTAGCTTCAAAAGTGC	840				
Db	781	CCAGCAGACACGCGCTTTTCCAGGACTTCAATAGCTTACAGTAGCTTCAAAAGTGC	840				
QY	841	CAACCATACATGGCACCCTTCCACAGGAAACCAAAAGCATACCTGCTGGGCGAG	900				
Db	841	CAACCATACATGGCACCCTTCCACAGGAAACCAAAAGCATACCTGCTGGGCGAG	900				
QY	901	GGGGCTATTCTGTATCTATATAATCTGTGTATCTCTGTATCTCTGATCTGGGCGTGGGA	960				
Db	901	GGGGCTATTCTGTATCTATATAATCTGTGTATCTCTGTATCTCTGATCTGGGCGTGGGA	960				

Db	901	GGGGCTATTCTGTATCTATATAATCTGTGTATCTCTGTATCTCTGATCTGGGCGTGGGA	960
QY	961	GCAGAGAAACCTATGAAGCCAGCAGTCTAGCCAATCGCTACTTCCGGGCGCTACG	1020
Db	961	GCAGAGAAACCTATGAAGCCAGCAGTCTAGCCAATCGCTACTTCCGGGCGCTACG	1020
QY	1021	GCTGGTCATGAGCCACGCGCCATACATCAAACTTATTACTGGCTTCTCTTACCTCCCT	1080
Db	1021	GCTGGTCATGAGCCACGCGCCATACATCAAACTTATTACTGGCTTCTCTTACCTCCCT	1080
QY	1081	GGCTTTCATGCTGTGGAGGGAATTTGCTGTTTGGCACTTACCTTGGGCTTCG	1140
Db	1081	GGCTTTCATGCTGTGGAGGGAATTTGCTGTTTGGCACTTACCTTGGGCTTCG	1140
QY	1141	CAATGAATTCAGAACTTACTCTCGGCATCATCTCTCGGCCACTTAAACCATTTCCAT	1200
Db	1141	CAATGAATTCAGAACTTACTCTCGGCATCATCTCTCGGCCACTTAAACCATTTCCAT	1200
QY	1201	CTGGCAGTGGTCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATCTTGGATCTCATC	1260
Db	1201	CTGGCAGTGGTCTTGACCCGGTTTGGCAAGAAGACAGCTGTATATGTTGGATCTCATC	1260
QY	1261	AGCAGTGCATTTCTCATCTTGTGGCCCTCATGAGAGTAACCTCATATTACATATGC	1320
Db	1261	AGCAGTGCATTTCTCATCTTGTGGCCCTCATGAGAGTAACCTCATATTACATATGC	1320
QY	1321	GGTAGCTGGCAGTGGCATCAGTGTGGGAGTGCCTTCTTACTACCTGGTCCATGCT	1380
Db	1321	GGTAGCTGGCAGTGGCATCAGTGTGGGAGTGCCTTCTTACTACCTGGTCCATGCT	1380
QY	1381	GCCTGATCTCATTTGACGACTTCCATCTGAAGCAGCCCATTTCCATGGAACCGACCCAT	1440
Db	1381	GCCTGATCTCATTTGACGACTTCCATCTGAAGCAGCCCATTTCCATGGAACCGACCCAT	1440
QY	1441	CTTCTTCTCTTCTATGCTTCTTCAACCAAGTTTGGCTCTGGAGTGTCACTGGGCAATTC	1500
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QY	1501	TACCTCAGTCTGGACTTTCAGAGTACAGACCGTGGCTCTGCGACCGGAAACGCT	1560
Db	1501	TACCTCAGTCTGGACTTTCAGAGTACAGACCGTGGCTCTGCGACCGGAAACGCT	1560
QY	1561	CAAGTTTACATGAACTGCTGTCGACCATGCTGCCATAGTCTTCTATCTCTGCTGGGCT	1620
Db	1561	CAAGTTTACATGAACTGCTGTCGACCATGCTGCCATAGTCTTCTATCTCTGCTGGGCT	1620
QY	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGAGCGCGGCAAGTAAGAGGCCCT	1680
Db	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGAGCGCGGCAAGTAAGAGGCCCT	1680
QY	1681	GCAGGCATGAGGAGAGCGCGGCAAGTCTGGCTGCTCAGAAACAGACTTCCACAGACT	1740
Db	1681	GCAGGCATGAGGAGAGCGCGGCAAGTCTGGCTGCTCAGAAACAGACTTCCACAGACT	1740
QY	1741	GGCTAGCATCTTCTAGGGCCCGCCACGTTGGCCGAAGCCACCATCAGAACGCCACAGAA	1800
Db	1741	GGCTAGCATCTTCTAGGGCCCGCCACGTTGGCCGAAGCCACCATCAGAACGCCACAGAA	1800
QY	1801	GGGATCAGACCTGCTGCTGGGCTTCTGCTGAGCAGTGGAGTGTGCTAGGAGGAA	1860
Db	1801	GGGATCAGACCTGCTGCTGGGCTTCTGCTGAGCAGTGGAGTGTGCTAGGAGGAA	1860
QY	1861	CTGAAGACTTCAAGGAGTGGCCCGCCAGACTTGTGCTGCTACTGTGGGGCGGCTGCTC	1920
Db	1861	CTGAAGACTTCAAGGAGTGGCCCGCCAGACTTGTGCTGCTACTGTGGGGCGGCTGCTC	1920
QY	1921	TGTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980
Db	1921	TGTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980
QY	1981	AATATCCCAAGGACTGATCGGCTAGCCCGGAAACACTAATGTAGAAACCTTTTTTTAC	2040
Db	1981	AATATCCCAAGGACTGATCGGCTAGCCCGGAAACACTAATGTAGAAACCTTTTTTTAC	2040

QY 2041 AGAGCCTAATTAATAACTTAATGACTGTGTACATAGCAATGTGTGTATATATCTCT 2100
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QY 2101 GTGAGCTATTAAATGTTATTATTTTCATAAAAGCTGGAAGC 2142
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Db 2101 GTGAGCTATTAAATGTTATTATTTTCATAAAAGCTGGAAGC 2142

RESULT 21

US-09-989-734-19

; Sequence 19, Application US/09989734

; Publication No. US20030003531A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P27301C64

; CURRENT APPLICATION NUMBER: US/09/989,734

; CURRENT FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

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; PRIOR APPLICATION NUMBER: 60/087827

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; PRIOR FILING DATE: 1998-06-19

1 PRIOR APPLICATION NUMBER: 60/089952
2 PRIOR FILING DATE: 1998-06-19
3 PRIOR APPLICATION NUMBER: 60/090246
4 PRIOR FILING DATE: 1998-06-22
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12 PRIOR FILING DATE: 1998-06-23
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17 PRIOR APPLICATION NUMBER: 60/090435
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59 PRIOR APPLICATION NUMBER: 60/091633
60 PRIOR FILING DATE: 1998-07-02
61 PRIOR APPLICATION NUMBER: 60/091978
62 PRIOR FILING DATE: 1998-07-07
63 PRIOR APPLICATION NUMBER: 60/091982
64 PRIOR FILING DATE: 1998-07-07
65 PRIOR APPLICATION NUMBER: 60/092182
66 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGCTGGCGGCGCGG 60
QY 61 CCCTGGCTAAGGCTGTACGAGCGAGCTTGGAGAGCAGCGGCTGCGGGCGAGGA 120
Db 61 CCCTGGCTAAGGCTGTACGAGCGAGCTTGGAGAGCAGCGGCTGCGGGCGAGGA 120
QY 121 GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCGGCGCGGCTGATGCCAAAGAGAGGCG 180
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QY 181 GCCGAGAGCGGCTCCGCGGCGGCGCTACCCAGCAGCATCTCCAAAGCACTGAACGC 240
Db 181 GCCGAGAGCGGCTCCGCGGCGGCGCTACCCAGCAGCATCTCCAAAGCACTGAACGC 240
QY 241 CCGGCCAGCTGAAGAAAGAACCCGAAAGAAAGAAACACAGTTGTCTGTTGCCACAAG 300
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QY 301 CTTTGTCTATGCACTTGGGGAGCGCCCTACCAAGTACGAGTGGCGCTTCTCTGCTCCATCCTG 360
Db 301 CTTTGTCTATGCACTTGGGGAGCGCCCTACCAAGTACGAGTGGCGCTTCTCTGCTCCATCCTG 360
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QY 661 GCTCTCACCATGTTTATCAGCAACCGAGCAGACTGAGCGGATTTCTGCCACGCGCTATCG 720
Db 661 GCTCTCACCATGTTTATCAGCAACCGAGCAGACTGAGCGGATTTCTGCCACGCGCTATCG 720
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RESULT 22

US-09-997-653-19

; Sequence 19, Application US/09997653

; Publication No. US20030008297A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C38
; CURRENT APPLICATION NUMBER: US/09/997,653
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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41	PRIOR FILING DATE: 1998-07-01	
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45	PRIOR FILING DATE: 1998-07-02	
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47	PRIOR FILING DATE: 1998-07-02	
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49	PRIOR FILING DATE: 1998-07-07	
50	PRIOR APPLICATION NUMBER: 60/091982	
51	PRIOR FILING DATE: 1998-07-07	
52	PRIOR APPLICATION NUMBER: 60/092182	
53	PRIOR FILING DATE: 1998-07-09	

	Query Match	100.0%;	Score 2142;	DB 11;	Length 2142;
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Qy	121	GCATCCCGTCTACCAAGTCCCAAGCGGCTGGCCCGGGGTCTATGGCCAAAGAGGAAGC	180		
Db	121	GCATCCCGTCTACCAAGTCCCAAGCGGCTGGCCCGGGGTCTATGGCCAAAGAGGAAGC	180		
Qy	181	GCAGAGCGGCTCCGGGGGGGGTGGTACCCAGCAGCATCTCCAAAGCACTGAAGC	240		
Db	181	GCAGAGCGGCTCCGGGGGGGGTGGTACCCAGCAGCATCTCCAAAGCACTGAAGC	240		

Qy	241	CGGGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAACACAGTTGCTCTGTTTCCACAAG	300
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Qy	361	CTTCAGATCTACCTATTTGGATGTGGTCAGGTGGGCCCTTTCTCTGCCCTCATCTCTG	420
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Qy	661	GCCTCTCACCATGTTTCATCAGCAACCGAGCAGCTGAGCGGGATTCCTGCCACCGCCCTATCG	720
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Qy	841	CAACCATACATATGGCACCACCTTCACACAGGGAAAGCGAAAGGCATACCTGCTGGCAGC	900
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Qy	901	GGGGTCATTGTCTGTATCTATATATCTGTCTGTCTCATCCTGATCCTGGCGTGGCGGA	960
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RESULT 23

RESULTS 23
US-09-993-667-19

US-09-993-867-19
: Sequence 19. Application US/099933667; sequence 19, Application US/099
: Publication No. US20030022187A1; PUBLICATION NO. US20
; GENERAL INFORMATION:
; GENERAL INFORMATION:

: APPLICANT: Ashkenazi, Avi J.

APPLICANT: ASHKEWELL, AVI J.
APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary

APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J

Thu Sep 25 12:20:24 2003

us-09-991-150-19.oli10.rnpb

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; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC4
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
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Db 1 CGGACGCGTGGCGGACGCGTGGCGGCGCGGCGCGGCTTTGGCTAGCGCGCGGG 60
Qy 61 CCGTGGCTAAAGGCTGCTACGAAAGCGAGCTTTGGGAGGAGCAGCGGCTTGGGGGAGGAGGA 120
Db 61 CCGTGGCTAAAGGCTGCTACGAAAGCGAGCTTTGGGAGGAGCAGCGGCTTGGGGGAGGAGGA 120
Qy 121 GCATCCGCTTACCAGGTCCCAAGCGGCGGCGGCGGCTTGGGAGGAGCAGCGGCTTGGGAGGAGGAGGC 180
Db 121 GCATCCGCTTACCAGGTCCCAAGCGGCGGCGGCGGCTTGGGAGGAGCAGCGGCTTGGGAGGAGGAGGC 180
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
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DB 1 CGGAGCGGTGGCGGACGCGTGGCGGACGCGGTGGGGCGGGTGGCTAGCGCGGGCGG 60
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DB 61 CGGTGGCTAAGCTGCTAGCAAGCGAGCTTGGGAGGAGCAGCGGCTGGGGGCGAGAGA 120
QY 121 GCATCCGCTACCAAGTCCCAAGCGGCGTGGCGGCGGTGATGGCCAAAGGAAGGC 180
DB 121 GCATCCGCTACCAAGTCCCAAGCGGCGTGGCGGCGGTGATGGCCAAAGGAAGGC 180
QY 181 GCCGAGCGGTCCCGCGGCGGTGCTACCCAGCAGCATCCTCCAAAGCACTGAAAGC 240
DB 181 GCCGAGCGGTCCCGCGGCGGTGCTACCCAGCAGCATCCTCCAAAGCACTGAAAGC 240
QY 241 CGGGCCAGGTGAAGAAAGAACCGAAAGAGAAACACAGTGTCTGTTTGGACACAG 300
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QY 781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCAAAAGTGC 840
DB 781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACAGTACGTTTCAAAAGTGC 840

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DB 841 CAACCATACACATGGCACCACCTTTCACACAGGAAACGAAAGGCATACCTGTGGCAGC 900
QY 901 GGGGTTCATTGCTGTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCT 960
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QY 1021 GCTGCTCATGAGCCAGCCCATATACATCAAACTTATTACTGGCTTCCCTTTCACCTCCTT 1080
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QY 1081 GCGTTTCATGCTGTGGAGGGAACCTTGTCTTGTGTTGACCTTACCTTGGGCTTCCG 1140
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DB 1261 AGCAGTGCATTTCTCATCTTGTGGGCCCTCATGAGAGTAACTCATCATATACATATGC 1320
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QY 1741 GGTAGTACCTCTTAGGGCCCGCCAGCTTGGCCGAGAGCCCATCAGAGGCGCCACAGAA 1800
DB 1741 GGTAGTACCTCTTAGGGCCCGCCAGCTTGGCCGAGAGCCCATCAGAGGCGCCACAGAA 1800
QY 1801 GGGATCAGGACCTGCTGCGCGCTTGTCTGAGCAGCTGGACTGAGGCTGCTAGGAGGAA 1860
DB 1801 GGGATCAGGACCTGCTGCGCGCTTGTCTGAGCAGCTGGACTGAGGCTGCTAGGAGGAA 1860
QY 1861 CTTGAAGACTCAAGGAGGTGGCCAGGACACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
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Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 CGGACGCGTGGCGGACCGGTGGGGGACGCGGTGGGGGCGGCTTGGCTAGCGCGCGGG 60
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DB 61 CCGTGGCTAAGCTGCTACGAAGCGAGCTTGGAGGAGCAGCGGCTCGGGGAGAGGA 120
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DB 361 CTTGAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCTCCATCATCTG 420
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DB 841 CAACCATACATGCGCCACTTCAACAGGAAAGGCAAGGATACCTCTGCTGGCAGC 900
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QY 961 GCAGAGAGAACCTATGAAGCCGAGCTCTGAGCCAAATCGCTTCCGGGGCTAGC 1020
DB 961 GCAGAGAGAACCTATGAAGCCGAGCTCTGAGCCAAATCGCTTCCGGGGCTAGC 1020

Qy 1021 GCTGTCATGAGCCACGCGCCCATACATAAACTTATTACTGGCTTCCTCTTCACTCCTT 1080
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Db 1141 CAATGAATTCAGAAATCTACTCCCTGGCCATCATCTCTGGCCACTTTAAACCATCCCAT 1200
Qy 1201 CTGGCAGTGGTTCTTACCCCGTTTGGCAAGAAGACAGCTGTATATGTGGGATCTCATC 1260
Db 1201 CTGGCAGTGGTTCTTACCCCGTTTGGCAAGAAGACAGCTGTATATGTGGGATCTCATC 1260
Qy 1261 AGCAGTGCCATTTCTCATCTTGGTGGCCCTCATCGGAGTAACTCATATACATATGC 1320
Db 1261 AGCAGTGCCATTTCTCATCTTGGTGGCCCTCATCGGAGTAACTCATATACATATGC 1320
Qy 1321 GGTAGCTGTGGCAGCTGGCATCTGTCAGTGGCAGCTGCTTCTACTACCTGGTCCATGCT 1380
Db 1321 GGTAGCTGTGGCAGCTGGCATCTGTCAGTGGCAGCTGCTTCTACTACCTGGTCCATGCT 1380
Qy 1381 GCCTGATGTCTATGACGACTTCCATCTGAAGCAGCCCACTTCCATGSAACCGAGCCCAT 1440
Db 1381 GCCTGATGTCTATGACGACTTCCATCTGAAGCAGCCCACTTCCATGSAACCGAGCCCAT 1440
Qy 1441 CTTCTTCTCTCTCTATGCTTCTTCCACCAAGTTTGCCTCTGGAGTGTCACTGGGCATTC 1500
Db 1441 CTTCTTCTCTCTCTATGCTTCTTCCACCAAGTTTGCCTCTGGAGTGTCACTGGGCATTC 1500
Qy 1501 TACCTCAGTGTGAGCTTTCGAGGTACGAGCCGCTGGCTGCTCGAGCCGGAACGCT 1560
Db 1501 TACCTCAGTGTGAGCTTTCGAGGTACGAGCCGCTGGCTGCTCGAGCCGGAACGCT 1560
Qy 1561 CAAGTTTACACTGAACATGCTGTCGAGCATGGCTCCCATAGTTCTCATPCTGCTGGGCT 1620
Db 1561 CAAGTTTACACTGAACATGCTGTCGAGCATGGCTCCCATAGTTCTCATPCTGCTGGGCT 1620
Qy 1621 GCTGCTTCAAAATGTACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGGCGCT 1680
Db 1621 GCTGCTTCAAAATGTACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGGCGCT 1680
Qy 1681 GCAGGCACTGAGGAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1740
Db 1681 GCAGGCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1740
Qy 1741 GGCTAGCATCTCTAGGCGCGCCACGTTGCGCCGAGCCACCATGCGAGAGGCGCACAGAA 1800
Db 1741 GGCTAGCATCTCTAGGCGCGCCACGTTGCGCCGAGCCACCATGCGAGAGGCGCACAGAA 1800
Qy 1801 GGGATCAGGAGCTGTCTGCGGCTTGTGAGCAGCTGAGCTGAGGCTGCTAGGAGGAGAA 1860
Db 1801 GGGATCAGGAGCTGTCTGCGGCTTGTGAGCAGCTGAGCTGAGGCTGCTAGGAGGAGAA 1860
Qy 1861 CTGAAGACTCAAGAGGTGGCCCGGAGCAGCTTGTGCTCAGCTGTGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTCAAGAGGTGGCCCGGAGCAGCTTGTGCTCAGCTGTGGGCGGCTGCTC 1920
Qy 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Qy 1981 AATATGCAAGGACTGATCGGCTTAGCCCGGAGCACTAAATGTAGAAACCTTTTTTTTAC 2040
Db 1981 AATATGCAAGGACTGATCGGCTTAGCCCGGAGCACTAAATGTAGAAACCTTTTTTTTAC 2040
Qy 2041 AGAGCCTAATTAATTAATGACTGTGTATAGCAATGTGTGTATGTATGTATGTATGTATGT 2100
Db 2041 AGAGCCTAATTAATTAATGACTGTGTATAGCAATGTGTGTATGTATGTATGTATGTATGT 2100

Qy 2101 GTGAGCTATTATCTATTATTTTCATAAAAGCTGGAAGC 2142
Db 2101 GTGAGCTATTATCTATTATTTTCATAAAAGCTGGAAGC 2142

RESULT 27

US-09-990-562-19
; Sequence 19, Application US/0990562
; Publication No. US20030027985A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC18
; CURRENT APPLICATION NUMBER: US/09/990,562
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04

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7	PRIOR APPLICATION NUMBER: 60/088028	7
8	PRIOR FILING DATE: 1998-06-04	8
9	PRIOR APPLICATION NUMBER: 60/088029	9
10	PRIOR FILING DATE: 1998-06-04	10
11	PRIOR APPLICATION NUMBER: 60/088030	11
12	PRIOR FILING DATE: 1998-06-04	12
13	PRIOR APPLICATION NUMBER: 60/088033	13
14	PRIOR FILING DATE: 1998-06-04	14
15	PRIOR APPLICATION NUMBER: 60/088326	15
16	PRIOR FILING DATE: 1998-06-04	16
17	PRIOR APPLICATION NUMBER: 60/088167	17
18	PRIOR FILING DATE: 1998-06-05	18
19	PRIOR APPLICATION NUMBER: 60/088202	19
20	PRIOR FILING DATE: 1998-06-05	20
21	PRIOR APPLICATION NUMBER: 60/088212	21
22	PRIOR FILING DATE: 1998-06-05	22
23	PRIOR APPLICATION NUMBER: 60/088217	23
24	PRIOR FILING DATE: 1998-06-05	24
25	PRIOR APPLICATION NUMBER: 60/088655	25
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27	PRIOR APPLICATION NUMBER: 60/088734	27
28	PRIOR FILING DATE: 1998-06-10	28
29	PRIOR APPLICATION NUMBER: 60/088738	29
30	PRIOR FILING DATE: 1998-06-10	30
31	PRIOR APPLICATION NUMBER: 60/088742	31
32	PRIOR FILING DATE: 1998-06-10	32
33	PRIOR APPLICATION NUMBER: 60/088810	33
34	PRIOR FILING DATE: 1998-06-10	34
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36	PRIOR FILING DATE: 1998-06-10	36
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38	PRIOR FILING DATE: 1998-06-10	38
39	PRIOR APPLICATION NUMBER: 60/088858	39
40	PRIOR FILING DATE: 1998-06-11	40
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43	PRIOR APPLICATION NUMBER: 60/088876	43
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45	PRIOR APPLICATION NUMBER: 60/089105	45
46	PRIOR FILING DATE: 1998-06-12	46
47	PRIOR APPLICATION NUMBER: 60/089440	47
48	PRIOR FILING DATE: 1998-06-16	48
49	PRIOR APPLICATION NUMBER: 60/089512	49
50	PRIOR FILING DATE: 1998-06-16	50
51	PRIOR APPLICATION NUMBER: 60/089514	51
52	PRIOR FILING DATE: 1998-06-16	52
53	PRIOR APPLICATION NUMBER: 60/089532	53
54	PRIOR FILING DATE: 1998-06-17	54
55	PRIOR APPLICATION NUMBER: 60/089538	55
56	PRIOR FILING DATE: 1998-06-17	56
57	PRIOR APPLICATION NUMBER: 60/089598	57
58	PRIOR FILING DATE: 1998-06-17	58
59	PRIOR APPLICATION NUMBER: 60/089599	59
60	PRIOR FILING DATE: 1998-06-17	60
61	PRIOR APPLICATION NUMBER: 60/089600	61
62	PRIOR FILING DATE: 1998-06-17	62
63	PRIOR APPLICATION NUMBER: 60/089653	63
64	PRIOR FILING DATE: 1998-06-17	64
65	PRIOR APPLICATION NUMBER: 60/089801	65
66	PRIOR FILING DATE: 1998-06-18	66
67	PRIOR APPLICATION NUMBER: 60/089907	67
68	PRIOR FILING DATE: 1998-06-18	68
69	PRIOR APPLICATION NUMBER: 60/089908	69
70	PRIOR FILING DATE: 1998-06-18	70
71	PRIOR APPLICATION NUMBER: 60/089947	71
72	PRIOR FILING DATE: 1998-06-19	72
73	PRIOR APPLICATION NUMBER: 60/089948	73
74	PRIOR FILING DATE: 1998-06-19	74
75	PRIOR APPLICATION NUMBER: 60/089952	75
76	PRIOR FILING DATE: 1998-06-19	76
77	PRIOR APPLICATION NUMBER: 60/090246	77
78	PRIOR FILING DATE: 1998-06-22	78
79	PRIOR APPLICATION NUMBER: 60/090252	79

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;	PRIOR	APPLICATION NUMBER:	60/090254	
;	PRIOR	FILING DATE:	1998-06-22	
;	PRIOR	APPLICATION NUMBER:	60/090349	
;	PRIOR	FILING DATE:	1998-06-23	
;	PRIOR	APPLICATION NUMBER:	60/090355	
;	PRIOR	FILING DATE:	1998-06-23	
;	PRIOR	APPLICATION NUMBER:	60/090429	
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;	PRIOR	APPLICATION NUMBER:	60/090431	
;	PRIOR	FILING DATE:	1998-06-24	
;	PRIOR	APPLICATION NUMBER:	60/090435	
;	PRIOR	FILING DATE:	1998-06-24	
;	PRIOR	APPLICATION NUMBER:	60/090444	
;	PRIOR	FILING DATE:	1998-06-24	
;	PRIOR	APPLICATION NUMBER:	60/090445	
;	PRIOR	FILING DATE:	1998-06-24	
;	PRIOR	APPLICATION NUMBER:	60/090472	
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;	PRIOR	APPLICATION NUMBER:	60/090535	
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;	PRIOR	APPLICATION NUMBER:	60/090540	
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;	PRIOR	APPLICATION NUMBER:	60/090557	
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;	PRIOR	APPLICATION NUMBER:	60/090694	
;	PRIOR	FILING DATE:	1998-06-25	
;	PRIOR	APPLICATION NUMBER:	60/090695	
;	PRIOR	FILING DATE:	1998-06-25	
;	PRIOR	APPLICATION NUMBER:	60/090696	
;	PRIOR	FILING DATE:	1998-06-25	
;	PRIOR	APPLICATION NUMBER:	60/090862	
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;	PRIOR	APPLICATION NUMBER:	60/090863	
;	PRIOR	FILING DATE:	1998-06-26	
;	PRIOR	APPLICATION NUMBER:	60/091360	
;	PRIOR	FILING DATE:	1998-07-01	
;	PRIOR	APPLICATION NUMBER:	60/091478	
;	PRIOR	FILING DATE:	1998-07-02	
;	PRIOR	APPLICATION NUMBER:	60/091544	
;	PRIOR	FILING DATE:	1998-07-01	
;	PRIOR	APPLICATION NUMBER:	60/091519	
;	PRIOR	FILING DATE:	1998-07-02	
;	PRIOR	APPLICATION NUMBER:	60/091626	
;	PRIOR	FILING DATE:	1998-07-02	
;	PRIOR	APPLICATION NUMBER:	60/091633	
;	PRIOR	FILING DATE:	1998-07-02	
;	PRIOR	APPLICATION NUMBER:	60/091978	
;	PRIOR	FILING DATE:	1998-07-07	
;	PRIOR	APPLICATION NUMBER:	60/091982	
;	PRIOR	FILING DATE:	1998-07-07	
;	PRIOR	APPLICATION NUMBER:	60/092182	
;	PRIOR	FILING DATE:	1998-07-09	

	Query Match	100.0%;	Score 2142;	DB 11;	Length 2142;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 2142;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CGGACGCGTGGCGCGGACGCGTGGCGGCGCGCTTGGCTAGCGCGCGCGG	60		
DB	1	CGGACGCGTGGCGCGGACGCGTGGCGGCGCGCTTGGCTAGCGCGCGCGG	60		
QY	61	CCGTGGCTAAGCGTCTACGAACGAGCTTGGGAGGAGCAGCGCCCTGCGGGGCGAGAGGA	120		
DB	61	CCGTGGCTAAGCGTCTACGAACGAGCTTGGGAGGAGCAGCGCCCTGCGGGGCGAGAGGA	120		

Qy	121	GCATCCCGTCTACAGGTCCCAAGCGCGCTGGCCCGGGTCAATGCCCAAAGAGAAGGC	180
Db	121	GCATCCCGTCTACAGGTCCCAAGCGCGTGGCCCGGGTCAATGCCCAAAGAGAAGGC	180
Qy	181	GGCGAGAGGGCTCCGCGGGGGGCTGCTACCCACCAAGATCTCCAAAGCACTGAACGC	240
Db	181	GGCGAGAGGGCTCCGCGGGGGGCTGCTACCCACCAAGATCTCCAAAGCACTGAACGC	240
Qy	241	CCGGCCAGGTGAAGAAAGAACCGAAAGAAAGAAACACAGTGTGTCTGTTTCCAAACAAG	300
Db	241	CCGGCCAGGTGAAGAAAGAACCGAAAGAAAGAAACACAGTGTGTCTGTTTGCACAAG	300
Qy	301	CTTTGCTATGCATTTGGGGAGGCCCTACCAGGTGACGGGCTGTCCTTGGGTTCCTTC	360
Db	301	CTTTGCTATGCATTTGGGGAGGCCCTACCAGGTGACGGGCTGTCCTTGGGTTCCTTC	360
Qy	361	CTTCAGATCFACCTATTGGATGTGGTCAAGTGGGCCCTTTCTCTGCCTCCATCACTCTG	420
Db	361	CTTCAGATCFACCTATTGGATGTGGTCAAGTGGGCCCTTTCTCTGCCTCCATCACTCTG	420
Qy	421	TTTGTGGGCGAGCCTGGGATGCCATACAGACCCCTGGTGGGCTCTGCAATCAAGAA	480
Db	421	TTTGTGGGCGAGCCTGGGATGCCATACAGACCCCTGGTGGGCTCTGCAATCAAGAA	480
Qy	481	TCCCCCTGGACCTGCCTGGTGCCTTTATGCCCTGGATCATCTCTCCAGGCCCTGGCC	540
Db	481	TCCCCCTGGACCTGCCTGGTGCCTTTATGCCCTGGATCATCTCTCCAGGCCCTGGCC	540
Qy	541	GTCAATTGCCFACCTTCCTCATCTGGTTCGTGCCCGACTTCCACACGGCCAGACCTATTGG	600
Db	541	GTCAATTGCCFACCTTCCTCATCTGGTTCGTGCCCGACTTCCACACGGCCAGACCTATTGG	600
Qy	601	TACCTGCTTTTCTATTGCCCCCTTTTGAACAATGGTCACTGTTTCCATGTTCCCTACTCG	660
Db	601	TACCTGCTTTTCTATTGCCCCCTTTTGAACAATGGTCACTGTTTCCATGTTCCCTACTCG	660
Qy	661	GCCTCACCATGTTTCATCAGCAACCGAGCAGACTGACGGGATCTGCCACGCCCTATCG	720
Db	661	GCCTCACCATGTTTCATCAGCAACCGAGCAGACTGACGGGATCTGCCACGCCCTATCG	720
Qy	721	GATGACTGTGGAAAGTGTGGGCACAGTGTCTGGGCACGGCGATCCAGGGACAAATCGTGGG	780
Db	721	GATGACTGTGGAAAGTGTGGGCACAGTGTCTGGGCACGGCGATCCAGGGACAAATCGTGGG	780
Qy	781	CCAAGCAGACACGGCTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840
Db	781	CCAAGCAGACACGGCTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC	840
Qy	841	CAACCATACATGCGCACCACTTCACACAGGGAAACGAAAGGCATACCTGCTGGCAGC	900
Db	841	CAACCATACATGCGCACCACTTCACACAGGGAAACGAAAGGCATACCTGCTGGCAGC	900
Qy	901	GGGGGTCAATTGTCTGTATCTATATAATCTGTCTGTCTATCCTGATCTGGCGCTCGGGA	960
Db	901	GGGGGTCAATTGTCTGTATCTATATAATCTGTCTGTCTATCCTGATCTGGCGCTCGGGA	960
Qy	961	GCAGAGAGACCCCTATGAAGCCAGCAGTCTGAGCCAAATCGCTACTTCCGGGGCTTACG	1020
Db	961	GCAGAGAGACCCCTATGAAGCCAGCAGTCTGAGCCAAATCGCTACTTCCGGGGCTTACG	1020
Qy	1021	GCCTGGTCAATGAGCCACGGCCATACATCAACATTTACTGGCTTCTCTTCACTCCCTT	1080
Db	1021	GCCTGGTCAATGAGCCACGGCCATACATCAACATTTACTGGCTTCTCTTCACTCCCTT	1080
Qy	1081	GGCTTTTCATGCTGGTGGAGGGAACCTTGTCTGTTTTTGTGCACTTACCTTCCG	1140
Db	1081	GGCTTTTCATGCTGGTGGAGGGAACCTTGTCTGTTTTTGTGCACTTACCTTCCG	1140
Qy	1141	CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCACCTTAAACCATTCOCAT	1200
Db	1141	CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCACCTTAAACCATTCOCAT	1200

Qy	1201	CTGGCAGTGTTCTTGTACCCGGTTTGGCAAGAGACAGCTGTGTATAGTTGGGATCTCATC	1260
Db	1201	CTGGCAGTGTTCTTGTACCCGGTTTGGCAAGAGAGACAGCTGTGTATAGTTGGGATCTCATC	1260
Qy	1261	AGCAGTCCCAATTCTCATCTTGTGTGGCCCTCATGGAGAGTAACCTCATCAATTACATATGC	1320
Db	1261	AGCAGTCCCAATTCTCATCTTGTGTGGCCCTCATGGAGAGTAACCTCATCAATTACATATGC	1320
Qy	1321	GGTAGCTGTGGCAGCTGGCATCATAGTGTGGCAGCTGCCCTTCTACTACCCCTGGTCCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCATAGTGTGGCAGCTGCCCTTCTACTACCCCTGGTCCATGCT	1380
Qy	1381	GCCTGATGTCAATGACAGCTTCCATCTGAAAGAGAGCCCACTTCCATGGAACCGAGCCCAT	1440
Db	1381	GCCTGATGTCAATGACAGCTTCCATCTGAAAGAGAGCCCACTTCCATGGAACCGAGCCCAT	1440
Qy	1441	CTTCTTCTCCCTCATATGCTTCTTCACCAAGTTTGCTCTGGAGTGTCACTGGGCATTTTC	1500
Db	1441	CTTCTTCTCCCTCATATGCTTCTTCACCAAGTTTGCTCTGGAGTGTCACTGGGCATTTTC	1500
Qy	1501	TACCTTCAGTCTTGCAGGTTTACAGGGTACCAGACCCGTGGCTGCTCGCAGCCGGAACGTGT	1560
Db	1501	TACCTTCAGTCTTGCAGGTTTACAGGGTACCAGACCCGTGGCTGCTCGCAGCCGGAACGTGT	1560
Qy	1561	CAAGTTTACACTGAACATGCTGTGACCATGTGCTGCCATAGTTCCTCATCTCTGTGGCCCT	1620
Db	1561	CAAGTTTACACTGAACATGCTGTGACCATGTGCTGCCATAGTTCCTCATCTCTGTGGCCCT	1620
Qy	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCAGAGTAAGAAGGCCCT	1680
Db	1621	GCTGCTCTTCAAAATGTACCCCATTTGATGAGGAGCGCGGCAGAGTAAGAAGGCCCT	1680
Qy	1681	GCAGGCACCTGAGGACGAGGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT	1740
Db	1681	GCAGGCACCTGAGGACGAGGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT	1740
Qy	1741	GGCTAGCATCCTTAGGGCCCGCCACGTTGCCGAGCCACCATGTCAGAGAGGCCACAGAA	1800
Db	1741	GGCTAGCATCCTTAGGGCCCGCCACGTTGCCGAGCCACCATGTCAGAGAGGCCACAGAA	1800
Qy	1801	GGGATCAGGACCTCTCTGCGCGCTTGTCTGAGCAGCTGGACTGCAGGTGCTAGGAAGGAA	1860
Db	1801	GGGATCAGGACCTCTCTGCGCGCTTGTCTGAGCAGCTGGACTGCAGGTGCTAGGAAGGAA	1860
Qy	1861	CTGAAGACTCAAGGAGTGGCCCAAGSACACTTGTCTGCTCACTGTGGGGCCGGCTGCTC	1920
Db	1861	CTGAAGACTCAAGGAGTGGCCCAAGSACACTTGTCTGCTCACTGTGGGGCCGGCTGCTC	1920
Qy	1921	TGTGGCCCTCTGCTCCCTCTGCTGCTGTGGGGCCAGCCCTGGGGCTGCCACTGTG	1980
Db	1921	TGTGGCCCTCTGCTCCCTCTGCTGCTGTGGGGCCAGCCCTGGGGCTGCCACTGTG	1980
Qy	1981	AATATGCCAAGGACTGATCGGGCTTAGCCGGAACTAATGTAGAAGCTTTTTTTTAC	2040
Db	1981	AATATGCCAAGGACTGATCGGGCTTAGCCGGAACTAATGTAGAAGCTTTTTTTTAC	2040
Qy	2041	AGAGCCTAAATTAATCACTTAATGACTGTGTACATPAGCAATGTGTGTATATATGCT	2100
Db	2041	AGAGCCTAAATTAATCACTTAATGACTGTGTACATPAGCAATGTGTGTATATATGCT	2100
Qy	2101	GTGAGCTATTAAATGTTATTAATTTTCATAAAAGCTGGAAGC	2142
Db	2101	GTGAGCTATTAAATGTTATTAATTTTCATAAAAGCTGGAAGC	2142

RESULT 28
US-09-990-711-19
; Sequence 19, Application US/09990711
; Publication No. US20030032023A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC2
CURRENT APPLICATION NUMBER: US/09/990,711
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
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PRIOR APPLICATION NUMBER: 60/087106
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PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
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PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
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PRIOR APPLICATION NUMBER: 60/088876
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PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
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PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
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Query Match		100.0%		Score 2142;		DB 11;		Length 2142;	
Best Local Similarity		100.0%		Pred. No. 0;		Matches 2142;		Conservative 0;	
Matches 2142;		Conservative 0;		Mismatches 0;		Indels 0;		Gaps 0;	
Qy	1	CGGACGGTGGCGGACGCTGGGGGACGCGTGGGGCGGCTGGGGCGGCTGGGGCGGCGG	60						
Db	1	CGGACGGTGGCGGACGCGTGGGGGACGCGTGGGGCGGCTGGGGCGGCTGGGGCGGCGG	60						
Qy	61	CCGTGGCTTAAGCTGTACGAAGCGAGCTTGGGAGGACGCGCTGGGGGCGAGAGGA	120						
Db	61	CCGTGGCTTAAGCTGTACGAAGCGAGCTTGGGAGGACGCGCTGGGGGCGAGAGGA	120						
Qy	121	GCATCCGCTTACAGGTGCCAAGCGGCTGGGGCGGCTGGGGCGGCTGGGGCGGCGG	180						
Db	121	GCATCCGCTTACAGGTGCCAAGCGGCTGGGGCGGCTGGGGCGGCTGGGGCGGCGG	180						
Qy	181	GCCGAGCGGCTCCGGGGCGGCTGCTACCCACGAGCATCTCCAAAGCCTGAAGGC	240						
Db	181	GCCGAGCGGCTCCGGGGCGGCTGCTACCCACGAGCATCTCCAAAGCCTGAAGGC	240						
Qy	241	CCGCGCCAGGTGAAGAAGAACCCGAAAGAAAGAAACAACTGTTGTTGCAACAAG	300						
Db	241	CCGCGCCAGGTGAAGAAGAACCCGAAAGAAAGAAACAACTGTTGTTGCAACAAG	300						

1381 GCGTATGTCATGACGACTTCCATCTGAAGAGCCCCCCTCATCGAAGCCGAGCCCAT 1440
1441 CTTCTTCTCTCTATGCTTCTTCCACCAAGTTTGCTCTGAGTGTCACTGGGCAATTC 1500
1441 CTTCTTCTCTCTATGCTTCTTCCACCAAGTTTGCTCTGAGTGTCACTGGGCAATTC 1500
1501 TACCCTCAGCTGAGCTTTGAGGCTTACAGACCCGCTGGCTGCTCGACCCGGAACGTGT 1560
1501 TACCCTCAGCTGAGCTTTGAGGCTTACAGACCCGCTGGCTGCTCGACCCGGAACGTGT 1560
1561 CAAGTTTACATGACATGCTGCTGACCATGCTCCCATAGTTCATCTCTCTGGGCT 1620
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1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGGGCGGCGGAGAAATAGAGGCCCT 1680
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1921 TGTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
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1981 AATATGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2040
1981 AATATGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2040
2041 AGAGCCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
2041 AGAGCCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
2101 GTGAGCTATTAAATGTTTAAATTTTCAATAAAGCTGGAAGC 2142
2101 GTGAGCTATTAAATGTTTAAATTTTCAATAAAGCTGGAAGC 2142

RESULT 29
US-09-989-726-19
; Sequence 19, Application US/09989726
; Publication No. US20030040473A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C60
CURRENT APPLICATION NUMBER: US/09/989,726
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGCTGGCTAGCGCGCGCGG 60
Db 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGCGCTGGCTAGCGCGCGCGG 60
Qy 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTTGGGAGGACGAGCGGCTCGCGGGGAGAGGA 120
Db 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTTGGGAGGACGAGCGGCTCGCGGGGAGAGGA 120
Qy 121 GCATCCGCTGTACCAAGTCCCAAGCGCGGCTGGCGCGGCTCATGGCCAAAGGAGAGGC 180
Db 121 GCATCCGCTGTACCAAGTCCCAAGCGCGGCTGGCGCGGCTCATGGCCAAAGGAGAGGC 180
Qy 181 GCCGAGAGCGGCTCCGCGGCGGCGGCTGCTACCCACGAGCATCTCCAAAGCACTGAACGC 240
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Db 301 CTTTGTATGCACTTGGGGAGGCCCTTACAGGTGACGGCTGTGCCCTTGTGGGTTTCTTC 360
Qy 361 CTTGAGATCTACCTATTGGATGGGTCAGGTGGGCGCTTCTGCTGCTCATCATCTG 420
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Qy 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACAGCCCTGTGGGCGCTCTCATCAGCAAA 480
Db 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACAGCCCTGTGGGCGCTCTCATCAGCAAA 480
Qy 481 TCCCGCTGGACCTGCCTGGGTGCGCTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 540

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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGGCGGCGCGGTGGGCGCGCGGTGGGCTAGCGCGGCGG 60
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QY 61 CGGTGGCTAAGCTCTACGAAGCAGCGTGGGAGGAGCAGCGGCGTGGGCGGCGGAGAGGA 120
DB 61 CGGTGGCTAAGCTCTACGAAGCAGCGTGGGAGGAGCAGCGGCGTGGGCGGCGGAGAGGA 120
QY 121 GCATCCCGTCTACAGGTCCCAAGCGGCGTGGCCCGCGGTCATGGCCAAAGGAGAAAGC 180
DB 121 GCATCCCGTCTACAGGTCCCAAGCGGCGTGGCCCGCGGTCATGGCCAAAGGAGAAAGC 180
QY 181 GCGGAGAGCGGCTCCGCGGCGGCGTACCCAGCAGCATCTCCAAAGCACTCAAGCGC 240
DB 181 GCGGAGAGCGGCTCCGCGGCGGCGTACCCAGCAGCATCTCCAAAGCACTCAAGCGC 240
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DB 241 CCGGCGCAGGTGAAGAAAGAACCGAAAAAGAAACAAAGTGTGCTGTTGCAACAAAG 300
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DB 361 CTTGAGATCFACCTATTGGATGTGGCTCAGGTGGGCGCTTCTCTGCCCTCCATCACTTC 420
QY 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACAGCCCTGGTGGGCGCTGTCATCAGCAAA 480
DB 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACAGCCCTGGTGGGCGCTGTCATCAGCAAA 480
QY 481 TCCCGCTGGACCTGCCGTGGCTTATGCCCTGGATCATCTTCTCCAGCCCGCTGGCC 540
DB 481 TCCCGCTGGACCTGCCGTGGCTTATGCCCTGGATCATCTTCTCCAGCCCGCTGGCC 540
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DB 541 GTCAATGCCCTACTTCCCTCATCTGGTTGGTGGCGGACTTCCACAGCGGCGAGCCTATTGG 600
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DB 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGTCACGTGTTTCCATGTTCCCTACTCG 660
QY 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGCTGACGGGATTTGCGCCACCGCCTATCG 720
DB 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGCTGACGGGATTTGCGCCACCGCCTATCG 720

661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGCTGACGGGATTTGCGCCACCGCCTATCG 720
QY 721 GATGACTGTGGAAGTGTCTGGGCACAGTGTCTGGGCACGGCATGCCAGGACAAAATCGTGGG 780
DB 721 GATGACTGTGGAAGTGTCTGGGCACAGTGTCTGGGCACGGCATGCCAGGACAAAATCGTGGG 780
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DB 841 CAACCATACATGCGCACCATTTACACAGGAAACGCAAAAGGATACCTGCTGGCAGC 900
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DB 901 GGGGTCATTGTCTGTATCTATATATCTGTGTCTGTCATCTCTGATCTGGGCGTGGGGA 960
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QY 1021 GCTGGTCATGAGCACGGCCCATACATCAAACTTATTACTGGCTTCTTTCACCTTCCT 1080
DB 1021 GCTGGTCATGAGCACGGCCCATACATCAAACTTATTACTGGCTTCTTTCACCTTCCT 1080
QY 1081 GGCTTTTCATGCTGGTGGAGGGAACTTGTCTGTTTGTGACCTACACCTTGGGCTTCG 1140
DB 1081 GGCTTTTCATGCTGGTGGAGGGAACTTGTCTGTTTGTGACCTACACCTTGGGCTTCG 1140
QY 1141 CAATGAATCCAGAACTTACTCTGGCCATCATGCTCTCGGCCACTTTAAACCATTCCTCAT 1200
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DB 1261 AGCAGTGGCATTTCTCATCTTGGTGGCCCTCATGAGAGTAACCTCATCATATTACATATGC 1320
QY 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT 1380
DB 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT 1380
QY 1381 GCCTGATGTCATTCACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGGCCAT 1440
DB 1381 GCCTGATGTCATTCACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGGCCAT 1440
QY 1441 CTTCTTCTCTTCTATGCTTCTTTCACCAAGTTTGGCTCTGGAGTGTCACTGGGCATTTTC 1500
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DB 1501 TACCCCTCAGCTGGAGCTTGGAGGTTACCAGACCGGCTGCTCGAGCGGGAACGCTGT 1560
QY 1561 CAAAGTTTACCTGAACTGCTGCTGACCATGGCTGCCATAGTTTCTCATTCCTGCTGGGCT 1620
DB 1561 CAAAGTTTACCTGAACTGCTGCTGACCATGGCTGCCATAGTTTCTCATTCCTGCTGGGCT 1620
QY 1621 GCTGCTCTTCAAAATGTTACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGGCT 1680
DB 1621 GCTGCTCTTCAAAATGTTACCCCATTTGATGAGGAGGCGGCGGAGATAGAGAGGCT 1680
QY 1681 GCAGGCTAGTGGGAGGAGCGAGCTGCTGGCTGCTCAGAAAACAGACTCCACAGAGCT 1740
DB 1681 GCAGGCTAGTGGGAGGAGCGAGCTGCTGGCTGCTCAGAAAACAGACTCCACAGAGCT 1740
QY 1741 GGTAGCTATCTTCTAGGCGCGCCACGTTGCCCCGAAGCCACCATGCAAGGCCACAGAA 1800
DB 1741 GGTAGCTATCTTCTAGGCGCGCCACGTTGCCCCGAAGCCACCATGCAAGGCCACAGAA 1800

QY	1801	GGGATCAGGACCTGTCTGCCCGCCTTGCTGACGACCTGCACCTGCAGGTGCTTAGGAAGGAA	1860
Db	1801	GGGATCAGGACCTGTCTGCCCGCCTTGCTGACGACCTGCAGGTGCTTAGGAAGGAA	1860
QY	1861	CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTCTGTCTCACCTGTGGGGCCGCTGCTC	1920
Db	1861	CTGAAGACTCAAGGAGGTGGCCAGGACACTTGTCTGTCTCACCTGTGGGGCCGCTGCTC	1920
QY	1921	TGTGGCCTCCTGCCTCCCCCTCTGCCTGTGGGGCCCAAGCCCTGGGGCTGCCACACTGTG	1980
Db	1921	TGTGGCCTCCTGCCTCCCCCTCTGCCTGTGGGGCCCAAGCCCTGGGGCTGCCACACTGTG	1980
QY	1981	AATAATCCAAGACTGATCGGGCCCTAGCCCGGAACACTAATGTAGAACCCTTTTTTTTAC	2040
Db	1981	AATAATCCAAGACTGATCGGGCCCTAGCCCGGAACACTAATGTAGAACCCTTTTTTTTAC	2040
QY	2041	AGAGCCCTAATTAACTAATTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
Db	2041	AGAGCCCTAATTAACTAATTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
QY	2101	GTGAGCTAATTATGTATTATTAATTTTCATAAAGCTGGAAAGC	2142
Db	2101	GTGAGCTAATTATGTATTATTAATTTTCATAAAGCTGGAAAGC	2142
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; Publication No. US20030045463A1			
; GENERAL INFORMATION:			
; APPLICANT: Ashkenazi, Avi J.			
; APPLICANT: Baker, Kevin P.			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Ferrara, Napoleone			
; APPLICANT: Fong, Sherman			
; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, J. Christopher			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Kljavin, Ivar J.			
; APPLICANT: Napier, Mary A.			
; APPLICANT: Pan, James			
; APPLICANT: Paoni, Nicholas F.			
; APPLICANT: Roy, Margaret Ann			
; APPLICANT: Stewart, Timothy A.			
; APPLICANT: Tumas, Daniel			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Williams, P. Mickey			
; APPLICANT: Wood, William I.			
; APPLICANT: Zhang, Zemin			
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
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; FILE REFERENCE: P2730P1C49			
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 CGGTGGCTAAGGCTGCTACGAAGCGAGCTTGGAGGAGCGAGCGGCTGCGGGGCAAGGA 120

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QY 241 CCGGCCAGGTGAAGAAAGAACCGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
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DB 661 GCTCTCACCATGTTTCTCAGCAACCGAGCAGACTGAGCGGATTTCTGCCACCGCTATCG 720

QY 721 GATGACTGTGGAAGTCTGGGCAAGTCTGGGCAAGTCTGGGCAAGTCTGGGCAAGTCTGGG 780
DB 721 GATGACTGTGGAAGTCTGGGCAAGTCTGGGCAAGTCTGGGCAAGTCTGGGCAAGTCTGGG 780

QY 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTTACAGTAGCTTACAAAGTGC 840
DB 781 CCAAGCAGACAGCGCTTGTTCAGGACTTCAATAGCTTACAGTAGCTTACAAAGTGC 840

QY 841 CAACCATACATGGCAGCTTTCACAGAGGAAACGCAAAAGGCAATACCTGCTGGCAGC 900
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Qy	961	GGGGGTCATTGTCGTGTAATCTATATAATCTGTGTGTCATCCTGATCCTGGCGCTGGCGGA	960
Db	961		
Qy	961	GCAGAGAAACCCCTATGAAGCCAGCAGCTGTGAGCCAATGCGCTACTTCCGGGGCCTACG	1020
Db	961		
Qy	1021	GCTGGTCATGAGCCACGGCCATACATCAAACTATTACTTGGCTTCTCTTCACTCCCTT	1080
Db	1021		
Qy	1081	GCTGGTCATGAGCCACGGCCATACATCAAACTATTACTTGGCTTCTCTTCACTCCCTT	1080
Db	1081		
Qy	1081	GGCTTTTCATGCTGGTGAGGGGAACCTTGTGCTTTGTTTGCACCTACACCTTGGGGCTCCG	1140
Db	1081		
Qy	1141	CAATGAATTCAGAACTACTCTCGCCATCATGCTCTCGGCCACTTTAACCAATTCGCCAT	1200
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Qy	1261	AGCAGTGGTCTTGACCCGGTTGGCAAGAAAGACAGCTGTATATGTTGGGATCTCATC	1260
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Qy	1321	AGCAGTGGTCTTGACCCGGTTGGCAAGAAAGACAGCTGTATATGTTGGGATCTCATC	1320
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Qy	1321	GGTAGTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTTGGTCCATGCT	1380
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Db	1381		
Qy	1441	CTTCTTCTCCTTCTATGCTTCTTCCAAAGTTTGCTCTGGAGTGTCACTGGGCAATTC	1500
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Qy	1501	TACCTCAGTCTGGACHTTTCAGGGTACAGACCCGTGGCTGCTCGGAGCCGGAACGTGT	1560
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Qy	1801	GGGATCAGGACCTGCTGCGCGGCTTGGTGAAGCTGGACTGCAGAGTGTCTAGGAAGGAA	1860
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Qy	1861	CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGTGCTACTGTGGGCGCGCTGCTC	1920
Db	1861		
Qy	1921	TGTGGCCTCCTGCCTCCCTCTGCCTGCCTGTGGGGCCAAAGCCGTGGGGCTGCCACTGTG	1980
Db	1921		

RESULT 32

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RESULT 32
US-09-991-157-19
; Sequence 19, Application US/09991157
; Publication No. US20030049638A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Denoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Kujawa, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napter, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Tr
; FILE REFERENCE: P2730PIC51
; CURRENT APPLICATION NUMBER: US/09/991157
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02

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RESULT 33
US-09-997-514-19
; Sequence 19, Application US/09997514
; Publication NO. US20030049681A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C46
; CURRENT APPLICATION NUMBER: US/09/997,514
; CURRENT FILING DATE: 2001-11-15
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; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23

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1261 AGCAGTGCATTTCTCATCTTGGTGGCCCTCATGAGAGTAACCTCATCATATATGC 1320
1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTTACTACCTGGTCCATGCT 1380
1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTTACTACCTGGTCCATGCT 1380
1381 GCCTGATGTCATTCAGCAGCTTCCATCTGAAGCAGCCCCACATTCATGGAACCGAGCCAT 1440
1381 GCCTGATGTCATTCAGCAGCTTCCATCTGAAGCAGCCCCACATTCATGGAACCGAGCCAT 1440
1441 CTTCTTCTCTCTATGCTTCTTCAACCAAGTTTCCCTCTGAGTGTCTCCTGGGCAATTC 1500
1441 CTTCTTCTCTCTATGCTTCTTCAACCAAGTTTCCCTCTGAGTGTCTCCTGGGCAATTC 1500
1501 TACCTCTAGCTGGAGCTTTCAGAGGTACAGACCCGCTGCTCGCAGCCGGAACGCTGT 1560
1501 TACCTCTAGCTGGAGCTTTCAGAGGTACAGACCCGCTGCTCGCAGCCGGAACGCTGT 1560
1561 CAAAGTTTACATGACATGCTGTCGACCATGCTCCCATAGTCTTCATCCTGCTGGGCT 1620
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1621 GCTGCTCTTCAAAATCTACCCATTCATGAGAGAGCGCGCGCAGAAATAAGAGGCCCT 1680
1621 GCTGCTCTTCAAAATCTACCCATTCATGAGAGAGCGCGCGCAGAAATAAGAGGCCCT 1680
1681 GCAGGCACTGAGGAGAGCGCAGCAGCTGCTGCTCAGAAACAGACTCCACAGAGCT 1740
1681 GCAGGCACTGAGGAGAGCGCAGCAGCTGCTGCTCAGAAACAGACTCCACAGAGCT 1740
1741 GGCTAGCATCTCTAGGCGCGGCGCAGCTTGGCCGAGCCACCATGAGAGGCCACAGAA 1800
1741 GGCTAGCATCTCTAGGCGCGGCGCAGCTTGGCCGAGCCACCATGAGAGGCCACAGAA 1800
1801 GGGATCAGGACCTGCTTGGCGGCTTCTGCTGAGCAGCTGGACTCGAGTGTAGGAGGGAA 1860
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1981 AATATGCCAAGGACTGATCGGGCTAGCCCGGGAACACTATGTAGAAACCTTTTTTTAC 2040
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2041 AGAGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2100
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RESULT 34
US-09-997-573-19
; Sequence 19, Application US/09997573
; Publication No. US20030049682A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C45
CURRENT APPLICATION NUMBER: US/09/997,573
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
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PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 CCGTGGCTAAGCTGTCTACGAAGCGAGCTTGGGAGGAGCAGCGGCTCGGGGGCAGAGGA 120
Qy 121 GCATCCCGCTTACCAGGTCCCAAGCGGCGTGGCGGCGGCTCATGGCCAAAGGAGAAGGC 180
Db 121 GCATCCCGCTTACCAGGTCCCAAGCGGCGGCTCATGGCCAAAGGAGAAGGC 180
Qy 181 GCCGAGAGCGGCTCCGCGGGGGGCTGCTACCCACAGCATCTCTCCAAAGCACTGAACGC 240
Db 181 GCCGAGAGCGGCTCCGCGGGGGGCTGCTACCCACAGCATCTCTCCAAAGCACTGAACGC 240
Qy 241 CCGGCCAGGTGAAGAAAGAACCCGAAAAGAAAGAAACAAAGTGTCTGTGTTGCAACAAG 300
Db 241 CCGGCCAGGTGAAGAAAGAACCCGAAAAGAAAGAAACAAAGTGTCTGTGTTGCAACAAG 300
Qy 301 CTTTGTCTATGCACCTTGGGGGAGCCCTTACCAGGTGACGGGCTGTGGCCCTGGGTTTCTTC 360
Db 301 CTTTGTCTATGCACCTTGGGGGAGCCCTTACCAGGTGACGGGCTGTGGCCCTGGGTTTCTTC 360
Qy 361 CTTCAGATCTACCTATTGGATGTGGCTCAGGTGGGCGCCCTTTCTCTGGCTCCATCATCTG 420

||||| 361 CTTGAGATCTACCTATTGGATGTGCTCAGGTGGGCCCTTTCTCTGCTCCATCATCTCG 420 Db
||||| 421 TTGTGGGCGGAGCCTGGGATGCCATCAGACACCCCTGGTGGGCTCTGCATCAGCAA 480 QY
||||| 421 TTGTGGGCGGAGCCTGGGATGCCATCAGACACCCCTGGTGGGCTCTGCATCAGCAA 480 Db
||||| 481 TCCCCCTGGACCTGCTGGGTGGCTTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 540 QY
||||| 481 TCCCCCTGGACCTGCTGGGTGGCTTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 540 Db
||||| 541 GTCATTTGCTACTTCTCTCATCTGGTTCGTTGGTGGCCCTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 600 QY
||||| 541 GTCATTTGCTACTTCTCTCATCTGGTTCGTTGGTGGCCCTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 600 Db
||||| 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGTCAGTGTTCATGTTTCCCTACTCG 660 QY
||||| 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGTCAGTGTTCATGTTTCCCTACTCG 660 Db
||||| 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGAGCGGGATTCTGCCACCGCTATCG 720 QY
||||| 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGAGCGGGATTCTGCCACCGCTATCG 720 Db
||||| 721 GATGACTGTGAAGTGTCTGGGCACAGTGTCTGGGCAGCGGATCCAGGACAAATCGTGGG 780 QY
||||| 721 GATGACTGTGAAGTGTCTGGGCACAGTGTCTGGGCAGCGGATCCAGGACAAATCGTGGG 780 Db
||||| 781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGTCTACAGTAGCTTTCACAAGTGC 840 QY
||||| 781 CCAAGCAGACACGCTTGTTCAGGACTTCAATAGTCTACAGTAGCTTTCACAAGTGC 840 Db
||||| 841 CAACCATACATGCGACCACTTTCACAGGAAACGCAAAAGGATACCTGCTGGCAGC 900 QY
||||| 841 CAACCATACATGCGACCACTTTCACAGGAAACGCAAAAGGATACCTGCTGGCAGC 900 Db
||||| 901 GGGGTTCATGCTGTATCTATATATCTGCTGTCTATCTGTCATCTCGTGGCGTGGGA 960 QY
||||| 901 GGGGTTCATGCTGTATCTATATCTGCTGTCTATCTGTCATCTCGTGGCGTGGGA 960 Db
||||| 961 GCAGAGAGAACCTATGAAGCCGAGCAGTCTGAGCCAAATCGCTACTTCCGGGGCTAGG 1020 QY
||||| 961 GCAGAGAGAACCTATGAAGCCGAGCAGTCTGAGCCAAATCGCTACTTCCGGGGCTAGG 1020 Db
||||| 1021 GCTGTGTCATGAGCAGCGCCATACATCAAACTTATTACTGGTTCCTCTTACCTCCTT 1080 QY
||||| 1021 GCTGTGTCATGAGCAGCGCCATACATCAAACTTATTACTGGTTCCTCTTACCTCCTT 1080 Db
||||| 1081 GGCTTTTCATGCTGGTGGAGGGAACCTTTGCTGTTTTCACCTACACCTTGGGCTTCGG 1140 QY
||||| 1081 GGCTTTTCATGCTGGTGGAGGGAACCTTTGCTGTTTTCACCTACACCTTGGGCTTCGG 1140 Db
||||| 1141 CAATGAATTCAGAAATCTACTCTTGCCCATCATGCTCTCGGCACCTTTAACCATTCCTAT 1200 QY
||||| 1141 CAATGAATTCAGAAATCTACTCTTGCCCATCATGCTCTCGGCACCTTTAACCATTCCTAT 1200 Db
||||| 1201 CTGGCAGTGGTCTTACCCGGTTCGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260 QY
||||| 1201 CTGGCAGTGGTCTTACCCGGTTCGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260 Db
||||| 1261 AGCAGTGCCATTTCTCATCTTGGTGCCCTCATGGAGAGTAACCTCATCATATACATATGC 1320 QY
||||| 1261 AGCAGTGCCATTTCTCATCTTGGTGCCCTCATGGAGAGTAACCTCATCATATACATATGC 1320 Db
||||| 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGGTCCATGCT 1380 QY
||||| 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGCAGTGCCTTCTTACTACCTGGTCCATGCT 1380 Db
||||| 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440 QY
||||| 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440 Db
||||| 1441 CTTCTTCTCCTTCTATGCTCTTTCACCAAGTTTGCCTCTGGAGTGTCTACTGGGCATTC 1500 QY
||||| 1441 CTTCTTCTCCTTCTATGCTCTTTCACCAAGTTTGCCTCTGGAGTGTCTACTGGGCATTC 1500 Db

1441 CTTCTTCTCCTTCTATGCTCTTTCACCAAGTTTGCCTCTGGAGTGTCTACTGGGCATTC 1500 Db
1501 TACCTCAGTCTGGACTTTTGAGGGTACACAGACCCGTGGTGTCTCGAGCCGGAACGPT 1560 QY
||||| 1501 TACCTCAGTCTGGACTTTTGAGGGTACACAGACCCGTGGTGTCTCGAGCCGGAACGPT 1560 Db
1561 CAAGTTTACATGAACATGCTGTGACCATGGCTCCCATAGTTTCTCATCTCTGCTGGGCT 1620 QY
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1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGGCGGCGAGATAAGAAAGGCCCT 1680 QY
||||| 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGGCGGCGGAGATAAGAAAGGCCCT 1680 Db
1681 GCAGSACTGAGGACGAGGCGGAGCAGCTCTGGTGTCTCAGAAACAGACTCCACAGACT 1740 QY
||||| 1681 GCAGSACTGAGGACGAGGCGGAGCAGCTCTGGTGTCTCAGAAACAGACTCCACAGACT 1740 Db
1741 GGCTAGCATCTCTAGGGCCCGCCACGCTTGGCCGAGCCCATGCAAGGCCACAGAA 1800 QY
||||| 1741 GGCTAGCATCTCTAGGGCCCGCCACGCTTGGCCGAGCCCATGCAAGGCCACAGAA 1800 Db
1801 GGGATCAGACCTGCTCTGCCGGCTTGTGAGCAGCTGCAGTGCAGTGCAGTGCAGTGCAG 1860 QY
||||| 1801 GGGATCAGACCTGCTCTGCCGGCTTGTGAGCAGCTGCAGTGCAGTGCAGTGCAGTGCAG 1860 Db
1861 CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGTGCTCAGTGTGGGGCGGCTGCTC 1920 QY
||||| 1861 CTGAAGACTCAAGAGGTGGCCAGGACACTTGTGTGCTCAGTGTGGGGCGGCTGCTC 1920 Db
1921 TGTGGCTTCCTGCTCCCTCTGCTGCTGCTGCTGGGGCCAAAGCCCTGGGCTGCCACTGTG 1980 QY
||||| 1921 TGTGGCTTCCTGCTCCCTCTGCTGCTGCTGCTGGGGCCAAAGCCCTGGGCTGCCACTGTG 1980 Db
1921 TGTGGCTTCCTGCTCCCTCTGCTGCTGCTGCTGGGGCCAAAGCCCTGGGCTGCCACTGTG 1980 QY
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1981 AATATGCCAAGSACTGATCGGGCTTAGCCCGGAAACACTTAATGTAGAAACCTTTTTTTTAC 2040 QY
||||| 1981 AATATGCCAAGSACTGATCGGGCTTAGCCCGGAAACACTTAATGTAGAAACCTTTTTTTTAC 2040 Db
2041 AGAGCCTAATTAATTAATTAATGCTGTACATAGCAATGCTGTGTATGTATGTATGTCT 2100 QY
||||| 2041 AGAGCCTAATTAATTAATTAATGCTGTGTATAGCAATGCTGTGTATGTATGTATGTCT 2100 Db
2101 GTGAGCTATTATGTTTATTAATTTTCATAAAAGCTGGAAAGC 2142 QY
||||| 2101 GTGAGCTATTATGTTTATTAATTTTCATAAAAGCTGGAAAGC 2142 Db

RESULT 35

US-09-991-172-19
; Sequence 19, Application US/09991172
; Publication No. US20030050457A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27301PC50
CURRENT APPLICATION NUMBER: US/09/991.172
CURRENT FILING DATE: 2001-11-16
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGTGGCGGACGGTGGCGGCGCGTGGCGGCGGCGTGGTAGCGCGCGGG 60
DB 1 CGGACGGTGGCGGACGGTGGCGGCGCGTGGCGGCGGCGTGGTAGCGCGCGGG 60

QY 61 CGGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCGTGGGGCGAGAG 120
DB 61 CGGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCGTGGGGCGAGAG 120

QY 121 GCATCCGCTACCAAGTCCCAAGCGGCGTGGCGGCGGCGTGGTACGCAAGGAGAGC 180
DB 121 GCATCCGCTACCAAGTCCCAAGCGGCGTGGCGGCGGCGTGGTACGCAAGGAGAGC 180

QY 181 GCGGAGCGGCTCCGCGCGGCGTGTACCCAGCAGCATCCTCCAAAGCAGCTGAACGC 240
DB 181 GCGGAGCGGCTCCGCGCGGCGTGTACCCAGCAGCATCCTCCAAAGCAGCTGAACGC 240

QY 241 CCGGCCAGGTGAAGAAAGAACCGAAAGAGAAACACAGTTGTCTTTGCAACAAG 300
DB 241 CCGGCCAGGTGAAGAAAGAACCGAAAGAGAAACACAGTTGTCTTTGCAACAAG 300

QY 301 CTTTGTATCACTTGGGAGCGCCCTACCAAGTCAAGCGGTGTGCCCTGGTTCTTC 360
DB 301 CTTTGTATCACTTGGGAGCGCCCTACCAAGTCAAGCGGTGTGCCCTGGTTCTTC 360

QY 361 CTTTCAGATCACTTATTTGGATGTGGCTCAGGTGGGCGCTTCTCTGCCCTCCATCATCTG 420
DB 361 CTTTCAGATCACTTATTTGGATGTGGCTCAGGTGGGCGCTTCTCTGCCCTCCATCATCTG 420

QY 421 TTTTGGGCGGAGCGTGGATGCCATCAGACCGCCCTGGTGGGCGCTCTGCATCAGCAAA 480
DB 421 TTTTGGGCGGAGCGTGGATGCCATCAGACCGCCCTGGTGGGCGCTCTGCATCAGCAAA 480

QY 481 TCCCGCTGGACCTGGCTGGTGGCTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 540
DB 481 TCCCGCTGGACCTGGCTGGTGGCTTATGCCCTGGATCATCTTCTCCACGCCCTGGCC 540

QY 541 GTCAATGCCCTACTTCCTCACTCTGGTTCGTCGCCGACTTCCACACGCGGCGAGCTATTGG 600
DB 541 GTCAATGCCCTACTTCCTCACTCTGGTTCGTCGCCGACTTCCACACGCGGCGAGCTATTGG 600

Db 541 GTCAATGCCCTACTTCCTCACTCTGGTTCGTCGCCGACTTCCACACGCGGCGAGACCTATTGG 600
QY 601 TACCTGCTTTTCTATTGCCTCTTTGAAACAATGGTACAGTGTTCCTCATGTTCCCTACTCG 660
Db 601 TACCTGCTTTTCTATTGCCTCTTTGAAACAATGGTACAGTGTTCCTCATGTTCCCTACTCG 660
QY 661 GCTCTACCAATGTTTCATCAGCAACCGAGACAGTGGCGGATTCGCCACCGCTATCG 720
Db 661 GCTCTACCAATGTTTCATCAGCAACCGAGACAGTGGCGGATTCGCCACCGCTATCG 720
QY 721 GATGACTGTGGAAGTGTGGGACAGTGTGGGACGCGGATCCAGGACAAATCTGGG 780
Db 721 GATGACTGTGGAAGTGTGGGACAGTGTGGGACGCGGATCCAGGACAAATCTGGG 780
QY 781 CCAAGCAGACACGCGCTTTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC 840
Db 781 CCAAGCAGACACGCGCTTTGTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCACAAAGTGC 840
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Db 841 CAACCATACACATGGCACCACCTTCACACAGGGAACGCAAAAGCATACCTGTGGCAGC 900
QY 901 GGGGTGCTATGCTGTATCTATATAATCTGTGTCTCATCTGATCTGGGCGTGGCGGA 960
Db 901 GGGGTGCTATGCTGTATCTATATAATCTGTGTCTCATCTGATCTGGGCGTGGCGGA 960
QY 961 GCAGAGAGAACCTTATGAAGCCGAGCTGTGAGCCAAATGCCCTACTTCCGGGGCCCTACG 1020
Db 961 GCAGAGAGAACCTTATGAAGCCGAGCTGTGAGCCAAATGCCCTACTTCCGGGGCCCTACG 1020
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Db 1201 CTGGCAGTGGTCTTGACCCGGTGGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260
QY 1261 AGCAGTGGCATTTCTCATCTTGGGCGCTCATGAGAGTAACTCATCATATATATG 1320
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QY 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCTTCCATGAGAACCGAGCCCAT 1440
Db 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCTTCCATGAGAACCGAGCCCAT 1440
QY 1441 CTTCTTCTCTCTATGCTTCTTCCCAAGTTTGGCTTGGAGTGTCACTGGGCGATTC 1500
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QY 1501 TACCTCTAGCTGTGGACTTTGACGGGTACAGACCGCTGGCTCTCGACCGCGGAACGTGT 1560
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QY 1561 CAAGTTTACATGACATGCTGCTGACCATGCTCCCATAGTCTTCTCATCTCTCTGGCT 1620
Db 1561 CAAGTTTACATGACATGCTGCTGACCATGCTCCCATAGTCTTCTCATCTCTCTGGCT 1620
QY 1621 GCTGTCTTCAAAATGTACCCCATGATGAGGAGGCGGCGGAGAGTAAAGAGGCGCT 1680
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Query Match 100.0%; Score 2142; DB 11; Length 2142;
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DB 61 CCGTGGCTAAGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGCGCTGCGGGGCGAGAGGA 120
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QY 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
DB 241 CCGGCCAGGTGAAGAAAGAACCCGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
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DB 661 GCTCTCACCATGTTTATCAGAACCGAGCAGCTGAGCGGGATTTGCGCCAGCGCTATCG 720
QY 721 GATGACTGTGGAAGTCTGGGACAGCTGCTGGGACGGGATCCAGGGACAAATCGTGGG 780
DB 721 GATGACTGTGGAAGTCTGGGACAGCTGCTGGGACGGGATCCAGGGACAAATCGTGGG 780

[illegible]

; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGGACGGCTGGGGAGCGCTGGGCGACGCTGGGCGCGCTGGGCTAGCGCGCGG 60
Dy 1 CGGACGGCTGGGGAGCGCTGGGCGACGCTGGGCGCGCTGGGCTAGCGCGCGG 60

Qy 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCTCGGGGAGGGA 120
Dy 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCAGCGGCTCGGGGAGGGA 120

Qy 121 GCATCCCGTCTACGAGTCCCAAGCGGCTGGGCGCGGCTGGGCTAGCGGAGGAGG 180
Dy 121 GCATCCCGTCTACGAGTCCCAAGCGGCTGGGCGCGGCTGGGCTAGCGGAGGAGG 180

Qy 181 GCGAGAGCGGCTCCGCGGCGGCTGCTACCCACAGCATCTCCAAAGCACTGAACGC 240
Dy 181 GCGAGAGCGGCTCCGCGGCGGCTGCTACCCACAGCATCTCCAAAGCACTGAACGC 240

Qy 241 CCGGCCAGGTGAAGAAAGAACCGAAAAAGAAACACAGTTGTCTGTTTGAACAAG 300
Dy 241 CCGGCCAGGTGAAGAAAGAACCGAAAAAGAAACACAGTTGTCTGTTTGAACAAG 300

Qy 301 CTTTGCTATGACTTGGGGAGCCCTACCAAGTACAGGTGACGGCTGGGCTTCTTC 360
Dy 301 CTTTGCTATGACTTGGGGAGCCCTACCAAGTACAGGTGACGGCTGGGCTTCTTC 360

Qy 361 CTTGAGTATGACTTGGGCTGAGTGGCTGAGTGGGCGCTTCTGCTGCTCATCTG 420
Dy 361 CTTGAGTATGACTTGGGCTGAGTGGCTGAGTGGGCGCTTCTGCTGCTCATCTG 420

Qy 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACACCCCTGGTGGGCTCTGCATCAGAAA 480
Dy 421 TTTGTGGCGGAGCGCTGGGATGCCATCAGACACCCCTGGTGGGCTCTGCATCAGAAA 480

Qy 481 TCCCGCTGGAGCTGGGCTGGCTTATGCCCTGGATCATCTCTCCAGCCCTGGCC 540
Dy 481 TCCCGCTGGAGCTGGGCTGGCTTATGCCCTGGATCATCTCTCCAGCCCTGGCC 540

Qy 541 GTCAATGCCACTTCTCATCTGCTGCTGCGGCTTCCACACGCGGCGACCTATTGG 600
Dy 541 GTCAATGCCACTTCTCATCTGCTGCTGCGGCTTCCACACGCGGCGACCTATTGG 600

Qy 601 TACCTGCTTTTCTATTCCTCTTTGAAACAATGTCACGTGTTTCCATGTTCCCTACTCG 660
Dy 601 TACCTGCTTTTCTATTCCTCTTTGAAACAATGTCACGTGTTTCCATGTTCCCTACTCG 660

Qy 661 GCTCTACCATGTTTCATCAGCAACCGAGCAGCTGAGCGGGATCTGCCACCGCTATCG 720
Dy 661 GCTCTACCATGTTTCATCAGCAACCGAGCAGCTGAGCGGGATCTGCCACCGCTATCG 720

Qy 721 GATGACTGTGGAAGTGTGGGACAGTGTGGGACCGGCTGATCCAGGACAAATCGTGGG 780
Dy 721 GATGACTGTGGAAGTGTGGGACAGTGTGGGACCGGCTGATCCAGGACAAATCGTGGG 780

Qy 781 CCAAGCAGACGCGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCCACAAGTGC 840
Dy 781 CCAAGCAGACGCGCTTGTTCAGGACTTCAATAGCTCTACAGTAGCTTCCACAAGTGC 840

Qy 841 CAACCATACATGGGACCACTTCACAGGGAACCGCAAGGCATACCTGCTGGCAGC 900
Dy 841 CAACCATACATGGGACCACTTCACAGGGAACCGCAAGGCATACCTGCTGGCAGC 900

Qy 901 GGGGCTCATGTCTGTATATATAATCTGTGCTCATCTGATCTCTGGGCTGGCGGA 960
Dy 901 GGGGCTCATGTCTGTATATATAATCTGTGCTCATCTGATCTCTGGGCTGGCGGA 960

Qy 961 GCAGAGAGAACCCCTATGAAGCCCGCAGAGCTGTAGCCCAATCGCTTACTTCCGGGCGCTACG 1020
Dy 961 GCAGAGAGAACCCCTATGAAGCCCGCAGAGCTGTAGCCCAATCGCTTACTTCCGGGCGCTACG 1020

Qy 1021 GCTGGTCTATGAGCCAGCGCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTT 1080
Dy 1021 GCTGGTCTATGAGCCAGCGCCATACATCAAACTTATTACTGGCTTCTCTTCACTCCTT 1080

Qy 1081 GGCTTTTCATGCTGGTGGAGGGAATTTGTCTTTTGTGACCTTACACCTTGGGCTTCCG 1140
Dy 1081 GGCTTTTCATGCTGGTGGAGGGAATTTGTCTTTTGTGACCTTACACCTTGGGCTTCCG 1140

Qy 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATCTCTGGCCACTTTAAACATTTCCCAT 1200
Dy 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATCTCTGGCCACTTTAAACATTTCCCAT 1200

Qy 1201 CTGGCAGTGTCTTGGACCGGTTTGGCAAGAACAGACAGCTGTATATCTTGGGATCTCATC 1260
Dy 1201 CTGGCAGTGTCTTGGACCGGTTTGGCAAGAACAGACAGCTGTATATCTTGGGATCTCATC 1260

Qy 1261 AGCAGTGGCAATTTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATATACATATGC 1320
Dy 1261 AGCAGTGGCAATTTCTCATCTTGTGGCCCTCATGGAGAGTAACCTCATATACATATGC 1320

Qy 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGAGCTGCTTCTTACTACCTGGTCCATGCT 1380
Dy 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGAGCTGCTTCTTACTACCTGGTCCATGCT 1380

Qy 1381 GCCTGATGTCAATTCACGACTTCCCATCTGAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
Dy 1381 GCCTGATGTCAATTCACGACTTCCCATCTGAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440

Qy 1441 CTTCTCTCTCTTCTATGTCTTTCACCAAGTTTGGCTCTGGAGTGTCACTGGGCATTTTC 1500
Dy 1441 CTTCTCTCTCTTCTATGTCTTTCACCAAGTTTGGCTCTGGAGTGTCACTGGGCATTTTC 1500

Qy 1501 TACCTCAGTCTGAGCTTTGCAGGATACAGACCCCTGGTGTCTGCGAGCGGAAACGTGT 1560
Dy 1501 TACCTCAGTCTGAGCTTTGCAGGATACAGACCCCTGGTGTCTGCGAGCGGAAACGTGT 1560

Qy 1561 CAAGTGTACAGTGAACATGCTGTCGACATGGCTCCCATAGTTCTCATCTCTGCTGGGCT 1620
Dy 1561 CAAGTGTACAGTGAACATGCTGTCGACATGGCTCCCATAGTTCTCATCTCTGCTGGGCT 1620

Qy 1621 GCTCTCTCTTCAAAATGTACCCCATTTGATGAGGAGAGCGGCGGAGAGTAAGAAGGCCCT 1680
Dy 1621 GCTCTCTCTTCAAAATGTACCCCATTTGATGAGGAGAGCGGCGGAGAGTAAGAAGGCCCT 1680

Qy 1681 GCAGGCACTGAGGAGCAGGCGCAGCTGTGGCTGTCTAGAAAACAGACTCCACAGAGCT 1740
Dy 1681 GCAGGCACTGAGGAGCAGGCGCAGCTGTGGCTGTCTAGAAAACAGACTCCACAGAGCT 1740

Qy 1741 GGCTAGCATCTCTAGGGCCCGCCACGTTGCCCAAGCCACCATGCAAGAGCCACAGAA 1800
Dy 1741 GGCTAGCATCTCTAGGGCCCGCCACGTTGCCCAAGCCACCATGCAAGAGCCACAGAA 1800

Qy 1801 GGGATCAGGACTCTCTGCGGCTTGTGTGAGCAGCTGGAGTGTGAGGAGGGA 1860
Dy 1801 GGGATCAGGACTCTCTGCGGCTTGTGTGAGCAGCTGGAGTGTGAGGAGGGA 1860

Qy 1861 CTGAAGACTCAAGAGGTGGCCAGGACATTTGCTGTGCTCAGTGTGGGCGGCTGCTC 1920
Dy 1861 CTGAAGACTCAAGAGGTGGCCAGGACATTTGCTGTGCTCAGTGTGGGCGGCTGCTC 1920

Qy 1921 TGTGGCTCTGCTCTCCCTCTGCTGCTGGGCGCAAGCCCTGGGGCTGCCACTGTG 1980
Dy 1921 TGTGGCTCTGCTCTCCCTCTGCTGCTGGGCGCAAGCCCTGGGGCTGCCACTGTG 1980

Qy 1981 AATATGCAAGGACTGTGCGGCTAGCCGGAACACTTAATGTAGAAACCTTTTTTTTAC 2040
Dy 1981 AATATGCAAGGACTGTGCGGCTAGCCGGAACACTTAATGTAGAAACCTTTTTTTTAC 2040

Qy 2041 AGAGCCTAATTAATACTTAATGACTGTGTACATAGCAATGTGTGTGTATGTATGTCT 2100

Db 2041 AGAGCTAATAAATACTTAATGACTGTGATACATAGCAATGTGTGTATATATGCT 2100
QY 2101 GTGACCTATTATGTTATTATTTTCATAAAAGCTGGAAGC 2142
Db 2101 GTGACCTATTATGTTATTATTTTCATAAAAGCTGGAAGC 2142

RESULT 38
US-09-997-601-19
; Sequence 19, Application US/09997601
; Publication No. US20030054404A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC36
; CURRENT APPLICATION NUMBER: US/09/997,601
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-06-19

Db 1141 CAATGAATCCAGATCTACTCCTGGCCATCATGCTCGGCCACTTTAAACATTCCCAT 1200
QY 1201 CTGGCAGTGGTCTTTGACCCGGTTTGGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260
Db 1201 CTGGCAGTGGTCTTTGACCCGGTTTGGCAAGAGACAGCTGTATATGTTGGGATCTCATC 1260
QY 1261 AGCAGTGCATTTCTCATCTTGGTGGCCCTCATGAGAGATAACCTCATCATATACATATGC 1320
Db 1261 AGCAGTGCATTTCTCATCTTGGTGGCCCTCATGAGAGATAACCTCATCATATACATATGC 1320
QY 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCCGTGGTCCATGCT 1380
Db 1321 GGTAGCTGGCAGCTGGCATCAGTGTGGCAGCTGCCTTCTTACTACCCGTGGTCCATGCT 1380
QY 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
Db 1381 GCCTGATGTCATGACGACTTCCATCTGAAGCAGCCCACTTCCATGGAACCGAGCCCAT 1440
QY 1441 CTTCTTCTCCTTCTATGCTTCTTCCACCAAGTTTGGCTCTGGAGTGTCACTGGGATTTTC 1500
Db 1441 CTTCTTCTCCTTCTATGCTTCTTCCACCAAGTTTGGCTCTGGAGTGTCACTGGGATTTTC 1500
QY 1501 TACCTCTCAGTCTGGACTTTGACAGGTACCAGACCCGTGGCTGCTCGCAGCCGGAAGTGT 1560
Db 1501 TACCTCTCAGTCTGGACTTTGACAGGTACCAGACCCGTGGCTGCTCGCAGCCGGAAGTGT 1560
QY 1561 CAAGTTTACATGAATGCTCCTGATGACCATGCTCCCATAGTCTTCTCATCTCTGGGCT 1620
Db 1561 CAAGTTTACATGAATGCTCCTGATGACCATGCTCCCATAGTCTTCTCATCTCTGGGCT 1620
QY 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGGGCGGCGGAGAGATAAGAAAGCCCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCCATTTGATGAGAGAGGGCGGCGGAGAGATAAGAAAGCCCT 1680
QY 1681 GCAGGCATGAGGGAGAGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCATGAGGGAGAGCCAGCAGCTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
QY 1741 GGCTAGCATPCTTCTAGGGCCGCCACGTTGCTGAGCAGCTGGACTCAGGTCTAGAGGGAA 1860
Db 1741 GGCTAGCATPCTTCTAGGGCCGCCACGTTGCTGAGCAGCTGGACTCAGGTCTAGAGGGAA 1860
QY 1801 GGGATCAGACCTGTCTGCGGCTTCTGAGCAGCTGGAGTGGAGTGGAGTGGAGTGGAGTGG 1920
Db 1801 GGGATCAGACCTGTCTGCGGCTTCTGAGCAGCTGGAGTGGAGTGGAGTGGAGTGGAGTGG 1920
QY 1861 CTGAAGACTCAAGGAGTGGCCAGGACACTTGTCTGCTCACTGTGGGGCCGGCTGCTC 1980
Db 1861 CTGAAGACTCAAGGAGTGGCCAGGACACTTGTCTGCTCACTGTGGGGCCGGCTGCTC 1980
QY 1921 TGTGGCTCCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCCTGCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
QY 1981 AATATGCCAAGACATGATGGGCTTAGCCCGGAAACACTTAATAGAAACCTTTTTTAC 2040
Db 1981 AATATGCCAAGACATGATGGGCTTAGCCCGGAAACACTTAATAGAAACCTTTTTTAC 2040
QY 2041 AGAGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2100
Db 2041 AGAGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2100
QY 2101 GTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2142
Db 2101 GTGAGCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2142

RESULT 39

US-09-990-443-19

; Sequence 19, Application US/09990443

; Publication No. US20030054987A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC12
; CURRENT APPLICATION NUMBER: US/09/990,443
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/090862
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; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTTGGCTAGCGCGCGCGG 60
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Db 1 CGGACGCGTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTTGGCTAGCGCGCGCGG 60
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QY 61 CCGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGACGCGGCTCGGGGCGCAGAGGA 120
Db 61 CCGTGGCTAAGGCTGCTACGAAGCGAGCTTGGGAGGACGCGGCTCGGGGCGCAGAGGA 120
|||||
QY 121 GCATCCCGCTTACCAGGTCCCAAGCGGCGTGGCGGCGGCTATGGCCCAAGGAGAGGC 180
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Db 121 GCATCCCGCTTACCAGGTCCCAAGCGGCGTGGCGGCGGCTATGGCCCAAGGAGAGGC 180
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QY 181 GCCGAGACGCGCTCCGCGCGGCGGCTGTACCCACGACATCTCCCAAGCAGCTGAAGGC 240
|||||
Db 181 GCCGAGACGCGCTCCGCGCGGCGGCTGTACCCACGACATCTCCCAAGCAGCTGAAGGC 240
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QY 241 CCGGCCCCAGGTGAAGAAAGAACCCGAAAAAGAAACAGATTGTCTGTTTGCACCAAG 300

Db 241 CCGGCCAGGTGAAGAAAGAACCGAAAAAGAGAAACAACAGTTGCTGTTTGCACAAG 300
QY 301 CTTTGTATGCACCTTGGGAGAGCCCTTACCAGGTGACGGGTGTGCCCTGGGTTTCTTC 360
Db 301 CTTTGTATGCACCTTGGGAGAGCCCTTACCAGGTGACGGGTGTGCCCTGGGTTTCTTC 360
QY 361 CTTTCAGATCACTATTTGATGTGGCTCAGGTGGGCCCTTCTCTGCCCTCCATCATCTCG 420
Db 361 CTTTCAGATCACTATTTGATGTGGCTCAGGTGGGCCCTTCTCTGCCCTCCATCATCTCG 420
QY 421 TTTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGTCATCAGCAAA 480
Db 421 TTTTGTGGCGGAGCCTGGGATGCCATCACAGACCCCTGGTGGGCTCTGTCATCAGCAAA 480
QY 481 TCCCCCTGGACCTGCGCTGGGTGCCCTTATGCCCTGGATCATCTTCTCCACGCCCTATTGG 600
Db 481 TCCCCCTGGACCTGCGCTGGGTGCCCTTATGCCCTGGATCATCTTCTCCACGCCCTATTGG 600
QY 541 GTCATTTGCCCTACTTCTCATCTGGTTCGTCGCCGACTTCCACAGGCCAGACCTATTGG 600
Db 541 GTCATTTGCCCTACTTCTCATCTGGTTCGTCGCCGACTTCCACAGGCCAGACCTATTGG 600
QY 601 TACTGCTTTTCTATTTGCCCTTTTGAACAATGGTCACGTGTTTCCATGTTCCCTACTCG 660
Db 601 TACTGCTTTTCTATTTGCCCTTTTGAACAATGGTCACGTGTTTCCATGTTCCCTACTCG 660
QY 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGAGCGGGATTTCTGCCACCGCCTATCG 720
Db 661 GCTCTCACCATGTTTCATCAGCAACCGAGCAGACTGAGCGGGATTTCTGCCACCGCCTATCG 720
QY 721 GATGACTGTGGAAGTCTGGGCACAGTGTGGCAGCGGATCCAGGGACAATCGTGGG 780
Db 721 GATGACTGTGGAAGTCTGGGCACAGTGTGGCAGCGGATCCAGGGACAATCGTGGG 780
QY 781 CCAAGCAGACACGCTTGTCTTCCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC 840
Db 781 CCAAGCAGACACGCTTGTCTTCCAGGACTTCAATAGCTCTACAGTAGCTTCAAAAGTGC 840
QY 841 CAACCATACATATGACACCACTTTCACAGGGAAAGCAAAAGGCATACCTGCTGGCAGC 900
Db 841 CAACCATACATATGACACCACTTTCACAGGGAAAGCAAAAGGCATACCTGCTGGCAGC 900
QY 901 GGGGGTCATTGCTGTATATATATATCTGTCTGTCATCCCTGCTGGCGTGGGGA 960
Db 901 GGGGGTCATTGCTGTATATATATCTGTCTGTCATCCCTGCTGGCGTGGGGA 960
QY 961 GCAGAGAAACCCCTATGAAGCCAGCAGTCTGAGCCAATCGCTACTTCCGGGCGCTAGC 1020
Db 961 GCAGAGAAACCCCTATGAAGCCAGCAGTCTGAGCCAATCGCTACTTCCGGGCGCTAGC 1020
QY 1021 GCTGGTCAATGAGCCAGCGCCATACATCAAACTTATTTACTGGCTTCTTCCACCTCTT 1080
Db 1021 GCTGGTCAATGAGCCAGCGCCATACATCAAACTTATTTACTGGCTTCTTCCACCTCTT 1080
QY 1081 GGCTTTTCATGCTGGTGGAGGGAACCTTCTGTTGTTTTCACCTACACCTTGGGCTTCG 1140
Db 1081 GGCTTTTCATGCTGGTGGAGGGAACCTTCTGTTGTTTTCACCTACACCTTGGGCTTCG 1140
QY 1141 CAATGAATTCAGAAATCTACTCTCGCCATCATGCTCTGGCCACTTTTAACCATTTCCCAT 1200
Db 1141 CAATGAATTCAGAAATCTACTCTCGCCATCATGCTCTGGCCACTTTTAACCATTTCCCAT 1200
QY 1201 CTGGCAGTGGTTCCTTGAACCGGTTTGGCAAGAGACAGCTGTATATGTTGGATCTCATC 1260
Db 1201 CTGGCAGTGGTTCCTTGAACCGGTTTGGCAAGAGACAGCTGTATATGTTGGATCTCATC 1260
QY 1261 AGCAGTGCCATTTCTCATCTTGGTGGCCCTCATGGAGTAACCTCATCATATATATGCG 1320
Db 1261 AGCAGTGCCATTTCTCATCTTGGTGGCCCTCATGGAGTAACCTCATCATATATATGCG 1320
QY 1321 GGTAGCTGTGGAGTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGCTCCATGCT 1380

Db 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGCGAGCTGCCTTCTTACTACCTGGTCCATGCT 1380
QY 1381 GCTGATGTGATGACGACTTCCATCTGAAGCAGGCCCTTCCATGGAACCGAGCCCAT 1440
Db 1381 GCTGATGTGATGACGACTTCCATCTGAAGCAGGCCCTTCCATGGAACCGAGCCCAT 1440
QY 1441 CTTTCTTCCCTTCTATGTTCTTCCACCAAGTTTGCCTCTGGAGTGTCTACTGGGCAATTC 1500
Db 1441 CTTTCTTCCCTTCTATGTTCTTCCACCAAGTTTGCCTCTGGAGTGTCTACTGGGCAATTC 1500
QY 1501 TACCTCTAGCTTGGACTTTGACAGGTACACAGCCGCTGGCTGCTGCGACCCGGAAGTGT 1560
Db 1501 TACCTCTAGCTTGGACTTTGACAGGTACACAGCCGCTGGCTGCTGCGACCCGGAAGTGT 1560
QY 1561 CAAAGTTTACATGACATGCTGTCGACCATGCTGCCATGTTCTCATCTCTGGGCT 1620
Db 1561 CAAAGTTTACATGACATGCTGTCGACCATGCTGCCATGTTCTCATCTCTGGGCT 1620
QY 1621 GCTGCTCTTCAAAATGTACCCATTTGATGAGGAGGCGGCGCAGAAATAAGAGGCCCT 1680
Db 1621 GCTGCTCTTCAAAATGTACCCATTTGATGAGGAGGCGGCGCAGAAATAAGAGGCCCT 1680
QY 1681 GCAGGCACTGAGGGAGCGAGCCAGCAGCTTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
Db 1681 GCAGGCACTGAGGGAGCGAGCCAGCAGCTTCTGGCTGCTCAGAAACAGACTCCACAGAGCT 1740
QY 1741 GGTAGTACCTCTTAGGGCCCGCCAGTGTGCCGAGGCGGCGCAGAAATGAGAGGCCAA 1800
Db 1741 GGTAGTACCTCTTAGGGCCCGCCAGTGTGCCGAGGCGGCGCAGAAATGAGAGGCCAA 1800
QY 1801 GGGATCAGACCTGCTGCGGGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAGGGAA 1860
Db 1801 GGGATCAGACCTGCTGCGGGCTTGTCTGAGCAGCTGGACTGCAGTGTAGGAGGGAA 1860
QY 1861 CTGAAGACTTCAAGGAGGTGGCCAGCAGCTTCTGCTGTGCTCAGTGTGGGGCGGCTGCTC 1920
Db 1861 CTGAAGACTTCAAGGAGGTGGCCAGCAGCTTCTGCTGTGCTCAGTGTGGGGCGGCTGCTC 1920
QY 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1921 TGTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
QY 1981 AATATGCCAAGACTGATCGGGCTAGCCGCGGAACTAATGTAGAAACCTTTTTTTTAC 2040
Db 1981 AATATGCCAAGACTGATCGGGCTAGCCGCGGAACTAATGTAGAAACCTTTTTTTTAC 2040
QY 2041 AGAGCCTAATTAATACTTAATGACTGTGTATAGCAATGTGTGTATGTATATGCT 2100
Db 2041 AGAGCCTAATTAATACTTAATGACTGTGTATAGCAATGTGTGTATGTATATGCT 2100
QY 2101 GTGAGCTATTATGTTATTAATTTTCATAAAAGCTGGAAAGC 2142
Db 2101 GTGAGCTATTATGTTATTAATTTTCATAAAAGCTGGAAAGC 2142

RESULT 40

US-09-991-854-19
; Sequence 19, Application US/09991854
; Publication NO. US20030059780A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.	PRIOR FILING DATE: 1998-06-10
APPLICANT: Napier, Mary A.	PRIOR APPLICATION NUMBER: 60/088742
APPLICANT: Pan, James	PRIOR FILING DATE: 1998-06-10
APPLICANT: Paoni, Nicholas F.	PRIOR APPLICATION NUMBER: 60/088810
APPLICANT: Roy, Margaret Ann	PRIOR FILING DATE: 1998-06-10
APPLICANT: Stewart, Timothy A.	PRIOR APPLICATION NUMBER: 60/088824
APPLICANT: Tumas, Daniel	PRIOR FILING DATE: 1998-06-10
APPLICANT: Watanabe, Colin K.	PRIOR APPLICATION NUMBER: 60/088826
APPLICANT: Williams, P. Mickey	PRIOR FILING DATE: 1998-06-10
APPLICANT: Wood, William I.	PRIOR APPLICATION NUMBER: 60/088858
APPLICANT: Zhang, Zemin	PRIOR FILING DATE: 1998-06-11
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	PRIOR APPLICATION NUMBER: 60/088861
TITLE OF INVENTION: Acids Encoding the Same	PRIOR FILING DATE: 1998-06-11
FILE REFERENCE: P2730PIC24	PRIOR APPLICATION NUMBER: 60/088876
CURRENT APPLICATION NUMBER: US/09/991.854	PRIOR FILING DATE: 1998-06-11
CURRENT FILING DATE: 2001-11-14	PRIOR APPLICATION NUMBER: 60/089105
PRIOR APPLICATION NUMBER: 60/049787	PRIOR FILING DATE: 1998-06-12
PRIOR FILING DATE: 1997-06-16	PRIOR APPLICATION NUMBER: 60/089440
PRIOR APPLICATION NUMBER: 60/062250	PRIOR FILING DATE: 1998-06-16
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PRIOR APPLICATION NUMBER: 60/075945	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-02-25	PRIOR APPLICATION NUMBER: 60/089598
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PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/089653
PRIOR APPLICATION NUMBER: 60/087106	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-05-28	PRIOR APPLICATION NUMBER: 60/089801
PRIOR APPLICATION NUMBER: 60/087607	PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/088655	PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/088734	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-10	PRIOR APPLICATION NUMBER: 60/090540
PRIOR APPLICATION NUMBER: 60/088738	PRIOR FILING DATE: 1998-06-24

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;; PRIOR APPLICATION NUMBER: 60/088876
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/089105
;; PRIOR FILING DATE: 1998-06-12
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTGGCTAGCGCGCGCGG 60
Db 1 CGGACGCTGGCGGACGCGTGGCGGACGCGTGGCGGCGGCTGGCTAGCGCGCGCGG 60

QY 61 CGGTGGCTAAGGCTGTCTACGAAGCGAGCTTGGGAGGAGCAGCGGCTGCGGGGAGAGGA 120
Db 61 CGGTGGCTAAGGCTGTCTACGAAGCGAGCTTGGGAGGAGCAGCGGCTGCGGGGAGAGGA 120

QY 121 GCATCCCGTCTACAGGTCCCAAGCGGCGTGGCGGCGGCTATGCGCCAAAGAGGAGAGGC 180
Db 121 GCATCCCGTCTACAGGTCCCAAGCGGCGTGGCGGCGGCTATGCGCCAAAGAGGAGAGGC 180

QY 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCAGCAGCATCTCCAAAGCAGCTGAACGC 240
Db 181 GCCGAGAGCGGCTCCGCGGCGGCGTGTACCCAGCAGCATCTCCAAAGCAGCTGAACGC 240

QY 241 CCGGCCCCAGGTGAAGAAAGACCCGAAAGAGAGAAACACAGTTCTCTGTTCGCAACAG 300
Db 241 CCGGCCCCAGGTGAAGAAAGACCCGAAAGAGAGAAACACAGTTCTCTGTTCGCAACAG 300

QY 301 CTTTGTATGCACCTTGGGGGAGCCCTTACCAGGTGACGGGCTGTGCCCTGGGTTTCTTC 360
Db 301 CTTTGTATGCACCTTGGGGGAGCCCTTACCAGGTGACGGGCTGTGCCCTGGGTTTCTTC 360

QY 361 CTTCAGATCTACCTATTGGATGTGGTCAAGTGGGCGCTTCTCTGCCCTCCATCATCTCG 420
Db 361 CTTCAGATCTACCTATTGGATGTGGTCAAGTGGGCGCTTCTCTGCCCTCCATCATCTCG 420

QY 421 TTTGTGGGCGGAGCCCTGGGATGCCATCAGACACCCCTGCGGCTCTGCAATCAGCAAA 480
Db 421 TTTGTGGGCGGAGCCCTGGGATGCCATCAGACACCCCTGCGGCTCTGCAATCAGCAAA 480

QY 481 TCCCCCTGGACCTGCCTGGGTGCCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540
Db 481 TCCCCCTGGACCTGCCTGGGTGCCTTATGCCCTGGATCATCTTCTCCAGCCCTGGCC 540

QY 541 GTCATTTGCCCTACTTCTCTCATCTGGTTCGCGCGGAGTCCACACGCGGCGAGCTATTGG 600
Db 541 GTCATTTGCCCTACTTCTCTCATCTGGTTCGCGCGGAGTCCACACGCGGCGAGCTATTGG 600

QY 601 TACCTGCTTTTCTATTGCCCTCTTTTGAACAAATGTCACGCTGTTTCCATGTTCCCTACTCG 660
Db 601 TACCTGCTTTTCTATTGCCCTCTTTTGAACAAATGTCACGCTGTTTCCATGTTCCCTACTCG 660

[illegible]

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; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGGCTGGGGGAGCGCTGGGGAGCGCTGGGGCGCGCTGGCTAGCGCGGGGG 60
DB 1 CGGACGGCTGGGGGAGCGCTGGGGAGCGCTGGGGCGCGCTGGCTAGCGCGGGGG 60

QY 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCGCGCTGCGGGGAGAGGA 120
DB 61 CCGTGGCTAAGGCTGTACGAAGCGAGCTTGGGAGGAGCGCGCTGCGGGGAGAGGA 120

QY 121 GCATCCCGCTACACAGGTCCCAAGCGGCGTGGCCCGGGGTCTATGGCCAAAGGAGGCG 180
DB 121 GCATCCCGCTACACAGGTCCCAAGCGGCGTGGCCCGGGGTCTATGGCCAAAGGAGGCG 180

QY 181 GCCGAGAGCGGCTCCGGGGGGGCTGCTACCCAGCAGCATCTCCAAAGACATGAAGCG 240
DB 181 GCCGAGAGCGGCTCCGGGGGGGCTGCTACCCAGCAGCATCTCCAAAGACATGAAGCG 240

QY 241 CCGGCCAGGTGAAGAAGAACCCGAAAGAGAAACAACTGTCTGTGTTGCAACAAG 300
DB 241 CCGGCCAGGTGAAGAAGAACCCGAAAGAGAAACAACTGTCTGTGTTGCAACAAG 300

QY 301 CTTTGTATGACATTTGGGGAGCCCCCTACACAGGTGAGGGCTGTGCCCCCTGGTTCPTC 360
DB 301 CTTTGTATGACATTTGGGGAGCCCCCTACACAGGTGAGGGCTGTGCCCCCTGGTTCPTC 360

QY 361 CTTGAGATCTACCTATTGGATGTGCTCAGGTGGGCGCTTTCTCTGCTCCATCATCTG 420
DB 361 CTTGAGATCTACCTATTGGATGTGCTCAGGTGGGCGCTTTCTCTGCTCCATCATCTG 420

QY 421 TTTGTGGCCGAGCTGGGATGCCATCACAGACCCCTGTGTGGGCTCTGCATCAGCAA 480
DB 421 TTTGTGGCCGAGCTGGGATGCCATCACAGACCCCTGTGTGGGCTCTGCATCAGCAA 480

QY 481 TCCCGCTGGACCTGCCTGGGTGGCTTTATGCCCTGGATCATCTTCCACGCCCTGGCC 540
DB 481 TCCCGCTGGACCTGCCTGGGTGGCTTTATGCCCTGGATCATCTTCCACGCCCTGGCC 540

QY 541 GTCAATGCTACTTCTCATCTGTGTGTCGCCGACCTTCCACAGCGCCACACTATTGG 600
DB 541 GTCAATGCTACTTCTCATCTGTGTGTCGCCGACCTTCCACAGCGCCACACTATTGG 600

QY 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGCTCAGGTGTTTCCATGTTCCCTACTCG 660
DB 601 TACCTGCTTTTCTATTGCTCTTTTGAACAATGCTCAGGTGTTTCCATGTTCCCTACTCG 660

QY 661 GCTCTACCATGTTTCATCAGCAACCGAGCAGCTGAGGGGATCTGCCACCGGCTATCG 720
DB 661 GCTCTACCATGTTTCATCAGCAACCGAGCAGCTGAGGGGATCTGCCACCGGCTATCG 720

QY 721 GATGACTGTGAAGTGTGGGACAGTGTGGGACCGCGATCCAGGGACAAATCGTGGG 780
DB 721 GATGACTGTGAAGTGTGGGACAGTGTGGGACCGCGATCCAGGGACAAATCGTGGG 780

QY 781 CCAAGCAGACAGCGCTTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCCACAAAGTGC 840
DB 781 CCAAGCAGACAGCGCTTTTCCAGGACTTCAATAGCTCTACAGTAGCTTCCACAAAGTGC 840

QY 841 CAACCATACACATGCGACCACTTCCACAGAGGAAACGCAAAAGCATACCTGCTGGCAGC 900
DB 841 CAACCATACACATGCGACCACTTCCACAGAGGAAACGCAAAAGCATACCTGCTGGCAGC 900

QY 901 GGGGTCAATCTGTCTATCTATATAAATCTGTCTCATCTCTGATCTCTGCGGCTGGGGA 960
DB 901 GGGGTCAATCTGTCTATCTATATAAATCTGTCTCATCTCTGATCTCTGCGGCTGGGGA 960

QY 961 GCAGAGAAACCCCTATGAAGCCAGCAGCTGTGAGCAATCGCCTACTTCCGGGGCTACG 1020
DB 961 GCAGAGAAACCCCTATGAAGCCAGCAGCTGTGAGCAATCGCCTACTTCCGGGGCTACG 1020

QY 1021 GCTGGTATGAGCACCGGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCTCTT 1080
DB 1021 GCTGGTATGAGCACCGGCCCATACATCAAACTTATTACTGGCTTCTCTTCACTCTCTT 1080

QY 1081 GGCCTTTCATGCTGGTGGAGGGAACTTTGTCTTTTGGACCTACACCTTTGGGCTTCGG 1140
DB 1081 GGCCTTTCATGCTGGTGGAGGGAACTTTGTCTTTTGGACCTACACCTTTGGGCTTCGG 1140

QY 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTTAAACCATTTCCCAT 1200
DB 1141 CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTTAAACCATTTCCCAT 1200

QY 1201 CTGGCAGTGTCTTTGACCCGGTTTGGCAAGAACAGCTGTATATGTTGGATCTCATC 1260
DB 1201 CTGGCAGTGTCTTTGACCCGGTTTGGCAAGAACAGCTGTATATGTTGGATCTCATC 1260

QY 1261 AGCAGTGCCATTTCTCATCTTTGGTGGCCCTCATGGAGAGTAACCTCATCATATATGC 1320
DB 1261 AGCAGTGCCATTTCTCATCTTTGGTGGCCCTCATGGAGAGTAACCTCATCATATATGC 1320

QY 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGCTTCCATGCT 1380
DB 1321 GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCTTCTTACTACCTGCTTCCATGCT 1380

QY 1381 GCCTGATGTCAATGACGACTTCCATCTGAAGAGCCCACTTCCATGAGAACCGAGCCCAT 1440
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DB 1621 GCTGCTCTTCAAAATGTACCCATTTGATGAGAGAGGCGGCGGAGAGTAAGAGGCCCT 1680

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QY 1921 TGTGGCTCTCTGCCCTCTGCCCTGTGGGGGCCAAGCCCTGGGGGCTGCCACATGTG 1980

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181 GCCGAGAGCGGCTCCGCGCGGGGCTGTACCCACAGCATCTCCAAAGCACTGAAGC 240
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241 CCGGCCGAGGTGAAGAAAGAACCCGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 300
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361 CTTTGTATGACTTTGGGGAGCCCTTACCAGGTGAAGGGGTGTGCCCTGGGTTCCTTC 420
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781 CCAAGCAGACCGCTGTTTCCAGGACCTCAATAGCTTACAGTAGCTTCAAAAGTGC 840
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841 CAACATACACATGGCAGCACTTCAACAGGAAAGCAAAAGGCAATACCTGCTGGCAG 900
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901 GGGGGTCAATGCTGTAT 960
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1081 GGCTTTCATGCTGGTGGAGGGAACTTGTCTTGTGTTTGGTACCTACACCTTGGGCTTCG 1140
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RESULT 45
US-09-997-440-19
; Sequence 19, Application US/09997440
; Publication No. US2003005983A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C31
CURRENT APPLICATION NUMBER: US/09/997,440
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1998-06-24

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481	TCCCTCTGGACCTGCCTGGGTGGCTTATGCCCTGGATCATCTTCTCCAGGCCCTGGCC	540
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PRIOR APPLICATION NUMBER: 60/089105
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PRIOR APPLICATION NUMBER: 60/090640

Thu Sep 25 12:20:24 2003

us-09-991-150-19.olil10.rnpb

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QY 2041 AGAGCCTAATTAATAACTTAATGACTGTGATACATAGCAATGTGTGTATGATGCT 2100
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RESULT 48

US-09-997-542-19

; Sequence 19, Application US/09997542

; Publication No. US20030068647A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

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; APPLICANT: Gurney, Austin L.

; APPLICANT: Kijavlin, Ivar J.

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; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C26

; CURRENT APPLICATION NUMBER: US/09/997,542

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

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RESULT 49

us-09-993-748-19
; Sequence 19, Application US/09993748
; Publication No. US20030069403A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC23
; CURRENT APPLICATION NUMBER: US/09/993,748
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2142; DB 11; Length 2142;
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Matches 2142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	121	GCATCCCGTCTACCAAGTCCCAAGCGCGTGGCCCGCGGTCATGGCCAAAGGAGAAGC	180
Qy	181	GCCGAGAGCGGCTCCGCGCGGGGTGTACCCACGAGATCCTCCAAAGCAGCTGAAGCC	240
Db	181	GCCGAGAGCGGCTCCGCGCGGGGTGTACCCACGAGATCCTCCAAAGCAGCTGAAGCC	240
Qy	241	CCGGCCAGGTGAAGAAACCCGAAAGAAAGAAACACAGTGTCTGTCTTGTGCAACAAG	300
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Qy	301	CTTTGCTATGCATTTGGGGAGCCCCCTACCAAGTGAAGGCTGTCCTCGGTTCTTTC	360
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[illegible]

Sequence 19, Application US/09990439
Publication No. US20030073090A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
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APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C52
CURRENT APPLICATION NUMBER: US/09/990,439
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
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PRIOR FILING DATE: 1998-06-23

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181	GCCGAGAGCGGCTCCGCGGCGGGCTGCTACCCACGAGCATCTCCAAAGCACTGAACGC	240
241	CCGCGCCAGGTGAAGAAACCCGAAAGAAAGAAACAAAGTTGTCTGTTTGCACAAG	300
241	CCGCGCCAGGTGAAGAAACCCGAAAGAAAGAAACAAAGTTGTCTGTTTGCACAAG	300
301	CTTTGCTATGCACCTTGGGGAGCCCTACCAGGTACGGGCTGTGCCCTGGGTTTCTTC	360
301	CTTTGCTATGCACCTTGGGGAGCCCTACCAGGTACGGGCTGTGCCCTGGGTTTCTTC	360
361	CTTCAGATCTACCTATTGGATGTGGCTCAGTGGGCCCTTCTCTGCTCCATCATCTCG	420
361	CTTCAGATCTACCTATTGGATGTGGCTCAGTGGGCCCTTCTCTGCTCCATCATCTCG	420
421	TTTGTGGCCGAGCCTGGGATGCATCACAGACCCCTGTGGGCCCTCTGTCATCAGAAA	480
421	TTTGTGGCCGAGCCTGGGATGCATCACAGACCCCTGTGGGCCCTCTGTCATCAGAAA	480
481	TCGCCCTGGACCTGGGCTGGCTTATGCCCTGGATCATCTCTCCACGCCCTGGCC	540
481	TCGCCCTGGACCTGGGCTGGCTTATGCCCTGGATCATCTCTCTCCACGCCCTGGCC	540
541	GTCAATGCCTACTTCCCTCATCTGCTGCTGGCTTATGCCCTGGATCATCTCTCCACGCCCTGGCC	600
541	GTCAATGCCTACTTCCCTCATCTGCTGCTGGCTTATGCCCTGGATCATCTCTCCACGCCCTGGCC	600
601	TACCTGCTTTTCTATTCCTCTTTGAAACAATGGTCACTGTTTCCATGTTCCCTACTCG	660
601	TACCTGCTTTTCTATTCCTCTTTGAAACAATGGTCACTGTTTCCATGTTCCCTACTCG	660
661	GCTCTACCATGTTTCATCAGCAACCGAGACGAGCTGAGCGGATCTGCCACCGCTATCG	720
661	GCTCTACCATGTTTCATCAGCAACCGAGACGAGCTGAGCGGATCTGCCACCGCTATCG	720
721	GATGACTGTGGAAGTGTGGGCACAGTGTGGGCACGCGGCATCCAGGACAAATCGTGGG	780
721	GATGACTGTGGAAGTGTGGGCACAGTGTGGGCACGCGGCATCCAGGACAAATCGTGGG	780
781	CAAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACACTAGCTTTCACAAAGTGC	840
781	CAAAGCAGACACGCTTGTTCAGGACTTCAATAGCTCTACACTAGCTTTCACAAAGTGC	840
841	CAACCATACATGCGACCTTTCACAGGAGAAACGAAAGCATACCTGTGGGAGC	900
841	CAACCATACATGCGACCTTTCACAGGAGAAACGAAAGCATACCTGTGGGAGC	900
901	GGGGTCAATGTCTGTATCTATATAATCTGTCTGTCTATCTCTGATCTGGCGTGGGGA	960
901	GGGGTCAATGTCTGTATCTATATAATCTGTCTGTCTATCTCTGATCTGGCGTGGGGA	960
961	GCAGAGAACCTTATGAAGCCCGAGCTGTGAGCAATCGCTTCCGGGGCGCTACG	1020
961	GCAGAGAACCTTATGAAGCCCGAGCTGTGAGCAATCGCTTCCGGGGCGCTACG	1020
1021	GCTGTCATGAGCCACGCGCCATACATCAAACTTATTACTGGCTTCTTTCACCTCCTT	1080
1021	GCTGTCATGAGCCACGCGCCATACATCAAACTTATTACTGGCTTCTTTCACCTCCTT	1080
1081	GGCTTTTCAATGCTGGTGGAGGAACTTGTCTGTTTGGCACTACACTTGGGCTCCG	1140
1081	GGCTTTTCAATGCTGGTGGAGGAACTTGTCTGTTTGGCACTACACTTGGGCTCCG	1140
1141	CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACATTCOCAT	1200
1141	CAATGAATTCAGAAATCTACTCTGGCCATCATGCTCTCGGCCACTTTAAACATTCOCAT	1200
1201	CTGGCAGTGGTTCCTGACCCCGGTTTGGCAAGACAGCTGTATATGTTGGATCTCATC	1260
1201	CTGGCAGTGGTTCCTGACCCCGGTTTGGCAAGACAGCTGTATATGTTGGATCTCATC	1260
1261	AGCAGTGCATTTCTCTCTCTGTCCTCATGAGAGTAACTCATCATTTACATATGC	1320
1261	AGCAGTGCATTTCTCTCTCTGTCCTCATGAGAGTAACTCATCATTTACATATGC	1320

Qy	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTTACTACCCGTGGTCCATGCT	1380
Db	1321	GGTAGCTGTGGCAGCTGGCATCAGTGTGGCAGCTGCCCTTCTTACTACCCGTGGTCCATGCT	1380
Qy	1381	GCCTGATGTCATTGACGACHTTCCATCTGAAGCAGCCCCACTTCCATGGAAACCCGAGCCCAT	1440
Db	1381	GCCTGATGTCATTGACGACHTTCCATCTGAAGCAGCCCCACTTCCATGGAAACCCGAGCCCAT	1440
Qy	1441	CTTCTTCTCCTTCTTANGTCTTTCATCCAAAGTTTGCTCTGSGAGTGTCACTGGGCAATTTTC	1500
Db	1441	CTTCTTCTCCTTCTTANGTCTTTCATCCAAAGTTTGCTCTGSGAGTGTCACTGGGCAATTTTC	1500
Qy	1501	TACCTCTAGTCTGGACTTTTGCAGGTACACAGACCCGTGGCTGCTCGCAGCCGGAACGTGT	1560
Db	1501	TACCTCTAGTCTGGACTTTTGCAGGTACACAGACCCGTGGCTGCTCGCAGCCGGAACGTGT	1560
Qy	1561	CAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCCCT	1620
Db	1561	CAAGTTTACACTGAACATGCTCGTGACCATGGCTCCCATAGTTTCTCATCTGCTGGGCCCT	1620
Qy	1621	GCTGCTCTTCAAATGTACCCCATTTGATGAGGAGAGCGCGGCAGCAATAGAAGGCCCT	1680
Db	1621	GCTGCTCTTCAAATGTACCCCATTTGATGAGGAGAGCGCGGCAGCAATAGAAGGCCCT	1680
Qy	1681	GCAGGCACTGAGGGACGAGCCAGCAGCTCTGGCTCTCAGAAACAGACTCCACAGACT	1740
Db	1681	GCAGGCACTGAGGGACGAGCCAGCAGCTCTGGCTCTCAGAAACAGACTCCACAGACT	1740
Qy	1741	GGCTAGCATCCTCTAGGGCCCGCCACCTTTGCCCGAAGCCACCATGCAGAAGGCCACAGAA	1800
Db	1741	GGCTAGCATCCTCTAGGGCCCGCCACCTTTGCCCGAAGCCACCATGCAGAAGGCCACAGAA	1800
Qy	1801	GGGATCAGGACCTGCTCTGCCGGCTTGTGTAGCAGCTGGACTGCAGGTGCTAGGAAGGGAA	1860
Db	1801	GGGATCAGGACCTGCTCTGCCGGCTTGTGTAGCAGCTGGACTGCAGGTGCTAGGAAGGGAA	1860
Qy	1861	CTGAAGACTCAAGGAGTGTGCCCAGGACACTTGTGTGCTCACTGTGGGCCCGGCTGCTC	1920
Db	1861	CTGAAGACTCAAGGAGTGTGCCCAGGACACTTGTGTGCTCACTGTGGGCCCGGCTGCTC	1920
Qy	1921	TGTGGCTCTGCTCCTCCCTCTGCTGCCCTGTGGGGCCAAAGCCCTGGGGTGCACACTGTG	1980
Db	1921	TGTGGCTCTGCTCCTCCCTCTGCTGCCCTGTGGGGCCAAAGCCCTGGGGTGCACACTGTG	1980
Qy	1981	AATATGCCAGGACTGATCGGGCTAGCCCGGACACTAATGTAGAAACCTTTTTTTTAC	2040
Db	1981	AATATGCCAGGACTGATCGGGCTAGCCCGGACACTAATGTAGAAACCTTTTTTTTAC	2040
Qy	2041	AGAGCCTTAATTAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
Db	2041	AGAGCCTTAATTAACTTAATGACTGTGTACATAGCAATGTGTGTATGTATATGTCT	2100
Qy	2101	GTGAGCTATTAACTTTATTAAATTTTCATAAAGCTGGAAAGC	2142
Db	2101	GTGAGCTATTAACTTTATTAAATTTTCATAAAGCTGGAAAGC	2142

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